VoSKY® | Your Ultimate Gateway to Skype™

skype Certified

VoSKY Exchange Pro VIT1/E1

User Manual

Version 1.0

How to Use This Manual

Conventions

To make sure that you perform certain operations properly, take note of the following symbols used throughout this manual:

Note: Tips and additional information to help you complete an operation.

Warning: Reminders on actions or configurations that should be avoided.

Example: Examples to help you complete an operation.

▶ In dialing scheme, indicates a pause.

- In dialing scheme, indicate continuous dialing.

Typography

Bold: menus and menu commands, command buttons, tabs, options, and service or process names.

Italics: References to other documentation.

The first time you use Exchange Pro VIT1/E1, we recommend reading this manual in the following sequence:

- **Section 2: Installation**
  This section lists the PBX and Exchange Pro VIT1/E1 setup procedures.
- **Section 3.1.1: Activating VIT1/E1**
  This section describes VIT1/E1 activation.
- **Section 3.1.2.1: SkypeOut Settings**
  This section describes SkypeOut availability.

- **Section 3.1.3: Setting up the E1/T1 Card Type**

  This section describes E1/T1 card type's settings.

- **Section 3.1.4: Launching Skype Accounts**

  This section describes Skype accopunts' launch.

- **Section 3.1.8: Setting up E1 /Section 3.1.9 Setting up T1**

  This section describes E1/T1 settings.

- **Section 3.2.3: Phonebook**

  This section describes Phonebook settings.

- **Section 4: Dialing Scheme**

  This section describes the different dialing schemes of Exchange Pro VIT1/E1 and how to make calls.

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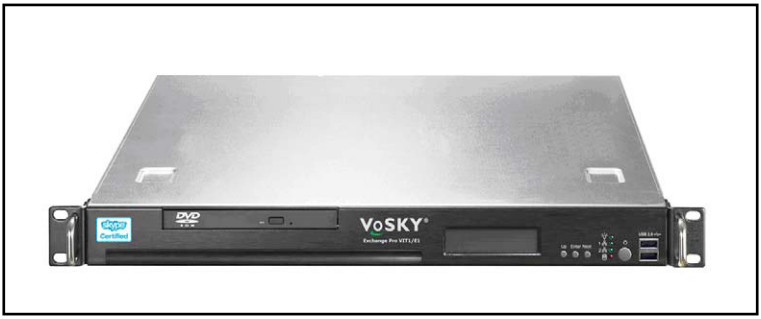
1. Introduction

VoSKY breaks through another technological barrier with the VoSKY Exchange Pro VIT1/E1, providing a Skype-certified solution for virtually every type of PBX equipment. With this rack-mountable, business-class, PBX gateway for Skype, small- and medium-sized businesses (SMBs) can finally take advantage of the largest free VoIP network in the world to connect, communicate, and collaborate with employees, customers, and partners.



VoSKY Exchange Pro VIT1/E1

Exchange Pro VIT1/E1 differs from our current Windows-based devices in the market. Using Linux as the operating system, this stable and secure platform can support 23/30 simultaneous Skype calls without compromising voice quality and greatly improving efficiency. Your PBX should have an available E1/T1 port to connect with the Exchange Pro VIT1/E1. Exchange Pro VIT1/E1 provides access to Skype lines for every extension in the office-even to those without computer access. The user simply places and receives Skype calls from their office phone.

Exchange Pro VIT1/E1 includes a unique set of features that separate it from the competition in the VoIP market. There is no need to install any software. Just connect it to the PBX, power it on, and begin using it.

Rack Mountable: The VoSKY Exchange Pro VIT1/E1 is a stand alone, rack-mountable FXS PBX gateway that does not require a PC. This plug&play

appliance seamlessly integrates with any existing PBX through the E1/T1 card to add up to 23/30 lines to Skype. Calls to other Skype users are free, while calls to non-Skype users are charged at low-cost SkypeOut rates.

Phonebook: Public Contacts and Private Contacts. As an administrator, you can create and manage Public Contacts as well as view the Private Contacts information of a normal user. As a normal user, you can create and manage Private Contacts as well as view the Public Contacts information.

Web Management: Supports Web Remote management, as an administrator, you can view the Skype status and set up the Exchange Pro VIT1/E1 through web login.

Call Log: Contains all details of a call, including date, caller, callee, call destination, call type, call duration, rate per minute, total call charges and connection fee. With Call Log, you can query the telephone number or Skype ID of the caller and/or callee. Exchange Pro VIT1/E1 can even detect the call rate of SkypeOut when using Skype2.5 or above and calculates each call's total cost. The administrator can get a quick look at recent call traffic by reviewing the graph of the total calls per day and review a detailed call record through the Call Log.

Company Skype ID: VoSKY Exchange Pro VIT1/E1 provides 23/30 Skype accounts. Choose one as your Company Skype ID (we recommend using the Skype ID of the first port). This mechanism is compatible with calls initiated by both Skype 2.x and 3.x. The Company Skype ID is used as the primary Skype contact to be called by remote Skype users into your Exchange to reach your phone system.

VoSKY Smart Dialing: With VoSKY Smart Dialing, you can make SkypeOut calls using a simpler dialing format without the need to dial the country code.

1.1 Package Contents

- Exchange Pro VIT1/E1 (two rack mount ears)
- RJ48 E1/T1 Crossover Cable *1
- Power cable
- Recovery DVD
- User Manual
- Quick Start Guide

Note: If any of the above items is damaged or missing, contact your reseller.

1.2 System Overview

1.2.1 Front View

① LCD Front Panel
② Slim DVD-ROM Drive
③ LED Indicators
④ Power Button
⑤ USB Ports
⑥ LCD Control Buttons

Power Button

This main power button is used to turn on or off the system.

Power Indicator

This indicator shows the power status of the system. It glows when the main power is turned on.

LAN Status Indicators

These two LED indicators flash to show the activity status on LAN1 and LAN2.

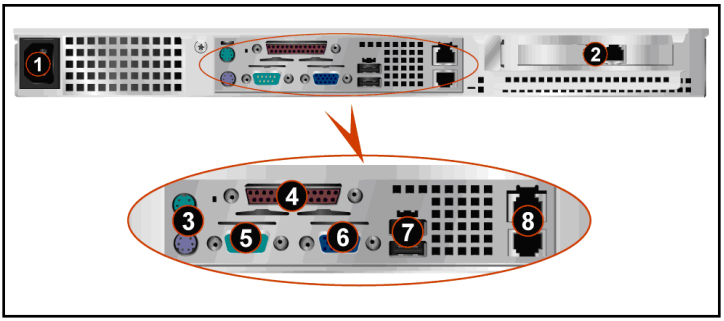
Hard Disk Drive In-use Indicator

This indicator shows the activity status of the hard disk drive. It flashes when the system is accessing data on the hard disk.

❖ **Front I/O LEDs**

LED	Color	State	Description
Power/Sleep	Green	On	Legacy power on/ACPI S0 state
		Blink(~1/sec)	Sleep/ACPI S1 state
	Off	Off	Power off/ACPI S4, S5 state
HDD Activity	Amber	Random blink	HDD access activity
	Off	Off	No disk activity
LAN1/LAN2 Activity	Green	On	LAN link
	Green	Blink	LAN access activity

1.2.2 Rear View

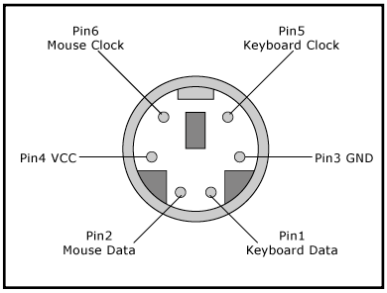


① AC Power Connector
② E1/T1 card interface
③ PS/2 Mouse/Keyboard
④ Parallel Port
⑤ Serial Port
⑥ VGA Port
⑦ USB Port
⑧ Gigabit LAN Jacks

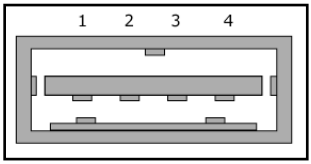
❖ **Rear I/O LEDs**

LED	Color	State	Description
RJ45 NIC 1 Linkage/ RJ45 NIC 2 Linkage	Green	On	LAN linked
	Green	Blinking	LAN accessing
	Off	Off	No LAN linked
RJ45 NIC 1 Access / RJ45 NIC 2 Access	Amber	On	Gigabit mode access
	Green	On	100M mode access
	Off	Off	10M mode access
E1/T1- Status LED	Green	On	In-sync with the far end
E1/T1- Loopback Mode LED	Red	Blinking	Card is not seeing far end; Circuit is not up; Cable is bad
	Yellow	On	Card is synchronizing or is receiving a red alarm from the far end

Mouse/Keyboard Connector

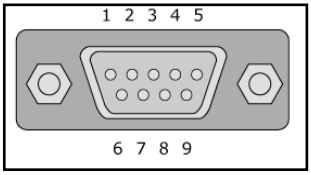


USB Port



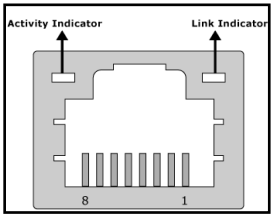
PIN	Signal
1	VCC
2	-Data
3	+Data
4	GND

Serial Port



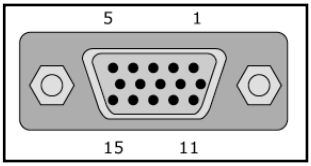
PIN	Signal
1	DCD
2	SIN
3	SOUT
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Gigabit LAN Jack



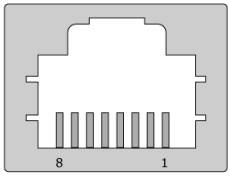
PIN	Signal	Description
1	D0P	Differential Pair 0+
2	D0N	Differential Pair 0-
3	D1P	Differential Pair 1+
4	D2P	Differential Pair 2+
5	D2N	Differential Pair 2-
6	D1N	Differential Pair 1-
7	D3P	Differential Pair 3+
8	D3N	Differential Pair 3-

VGA Port



PIN	Signal
1	RED
2	GREEN
3	BLUE
4	N/C
5	GND
6	GND
7	GND
8	GND
9	+5V
10	GND
11	N/C
12	SDA
13	Horizontal Sync
14	Vertical Sync
15	SCL

E1/T1 card interface



PIN	Signal
1	Rx
2	Rx
3	Not used
4	Tx
5	Tx
6	Not used
7	Not used
8	Not used

1.3 Features

- Supports Skype for Linux
- 1U rack design. Saves rack cabinet space and is easy to manage and troubleshoot
- Supports 23/30 Skype /SkypeOut lines on one system
- Supports Skype to Skype Call, SkypeOut Call, SkypeWeb, SkypeIn + Skype Unlimited
- More flexible Company Skype ID system
- Complies with Skype dialing format
- Delivers Skype functionality into enterprise extension system
- Supports Skype/SkypeOut speed-dial
- Provides up to two-segment 16-digital speed dialing codes for Skype or SkypeOut calls
- Personal Phonebook allows each user to create and manage their own contact list
- Firmware/Software Online Update automatically checks for software and firmware updates every 24 hours
- Notifications for troubleshooting errors and for SkypeOut credit low-balance warning
- Call Log for inbound and outbound calls
- VoSKY Smart Dialing for any Skype client
- Plug&Play, easy using installation process
- Recovery DVD restores system to default settings
- Supports CallerID

1.4 Supported Skype Service

Skype is the world's largest free VoIP supplier, with over 200 million users. Skype offers free global telephony to make unlimited, superior quality voice calls via its next-generation peer-to-peer software.

Exchange Pro VIT1/E1 supports Skype to Skype Call, SkypeOut Call, SkypeWeb, SkypeIn + Skype Unlimited.

Skype to Skype calls: free between Skype users anywhere in the world.

SkypeOut calls: allows you to place calls to regular telephones (landlines or mobiles) all over the world for a small fee.

SkypeWeb: ideal for partners who want to be able to show their online status, so that your contacts can easily get back to you with Skype.

SkypeIn + Skype Unlimited: a personal number that lets you receive calls on Skype from anyone on an ordinary phone. SkypeIn is included with Skype Unlimited.

2. Installation

2.1 Before You Begin

- Make sure you meet all hardware requirements (Monitor, Keyboard, Mouse, Network cable).
- Make sure you have a dedicated broadband connection (uplink/downlink ≥1Mbps) for VoSKY Exchange Pro VIT1/E1.
- One free E1 or T1 trunk port with Auto-Attendant capability for up to 23/30 Skype lines.
- Make sure you have created 23/30(T1/E1) Skype accounts with a recommended sequential naming convention, such as “Prefix1- Prefix30” or “Prefix1- Prefix23”. If the Skype accounts are random, please use the import account file method to launch the Skype accounts.

2.2 Configuring the PBX

1. Assign a Hunting Group Number(must be different from any existing hunting group numbers) for the T1/E1 port of your PBX and record this number, for instance 6.

2. Please send the following parameters to your PBX technician for configuration.

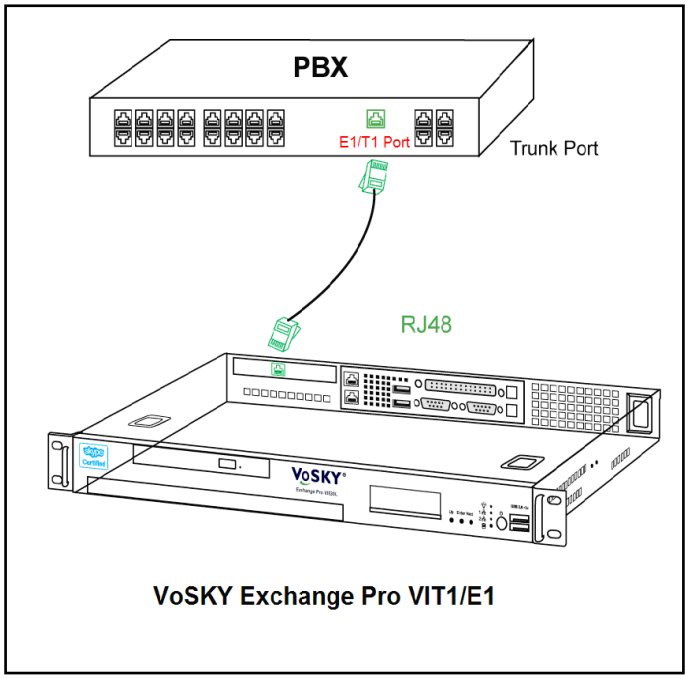
Parameters	E1 settings	T1 settings
Tone zone	US	US
Timing (Clock source)	0	0
LBO	0	0
Framing	ccs	esf
Coding	hdb3	b8zs
CRC4 enabled	Enabled	Disabled
B-channels	1-15,17-31	1-23
D-channels	16	24
Switchtype	euroisdn	national
Signalling (Termination side)	pri_net(only supports pri_ net)	pri_net(only supports pri_net)
Group	1	1
Language	EN	EN
Receive Wink Timing	300	300

2.3 Connecting Exchange Pro VIT1/E1 to the PBX

After completing the above steps, perform the following procedure to connect Exchange Pro VIT1/E1 to a PBX:

Warning: Before you operating the following steps, make sure that the power to the PC is turned off and that the power cord is unplugged.

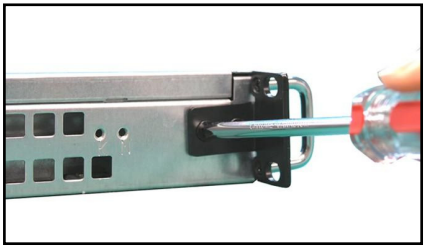
1. Connecting the E1/T1 port on Exchange Pro VIT1/E1 backplate to the E1/T1 port on the PBX using the provided RJ-48 cable as shown below:
2. If the provided cable is not applicable to your PBX, please refer to **Appendix D** to make an appropriate interface or ask for your reseller.

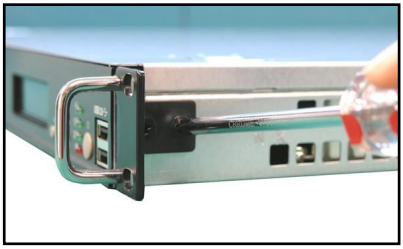


2.4 Rack Mounting

2.4.1 Chassis Ears

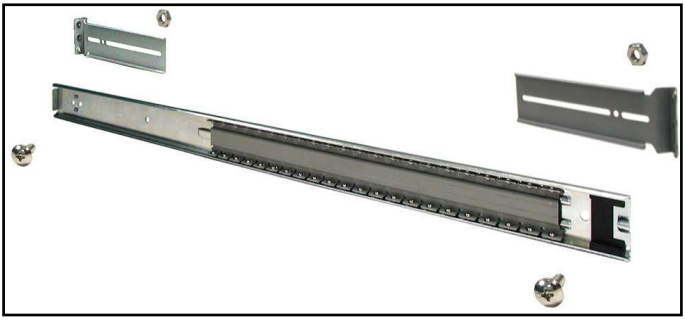
Screw the chassis ears to both sides of the chassis (as shown below).





2.4.2 Chassis Rails

1. Attach the brackets (front and rear) onto the rails; the position of the rear bracket is adjustable.

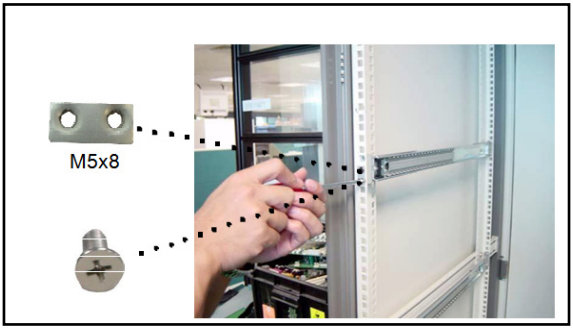


2. Screw the side rails to both sides of the chassis.

☞ **Note**: The chassis rail is designed with a locking tab which can hold the system firmly to the rack, and lock the system halfway without sliding out of the rack rails.

2.4.3 Installing Chassis on the Rack

1. Screw the rails onto the rack.



2. To slide the system into the rack, first align the chassis rails with the rack rails and push the system backwards until the locking tab clicks.

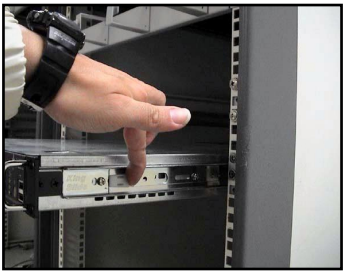
3. Simultaneously press the locking tabs on both sides of the chassis rails and push the system into the rack. The system should slide easily into the rack.

4. Screw the system firmly to the rack.

2.4.4 Removing Chassis From the Rack

1. To slide the system off the rack, grab the system by its ears and gently pull it out.

2. The system will be locked halfway while being pulled out. Simultaneously pull on the locking tabs on both sides of the chassis rails to unlock.



3. Pull the system forwards. The system should slide easily off the rack.

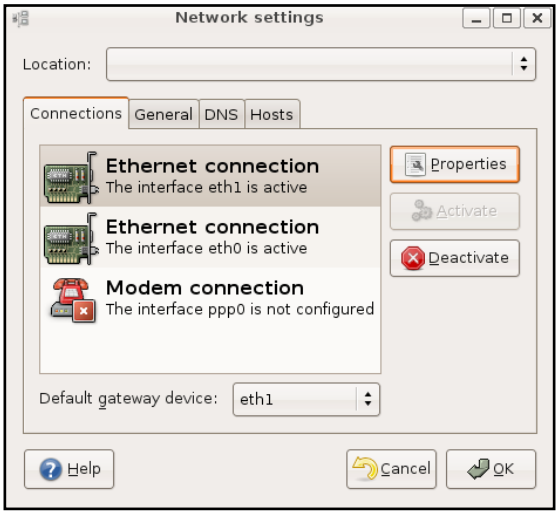
☞ **Note**: The chassis rail is designed with a locking tab which can hold the system firmly to the rack, and lock the system halfway without sliding out of the rack rails.

2.5 Setting up the Network

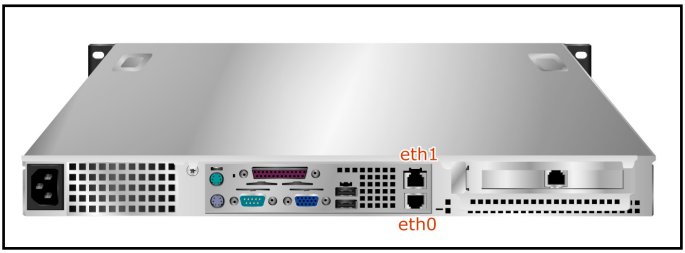
For security reasons, we recommend you set up the Exchange Pro VIT1/E1 behind the NAT or firewall.

You can skip this section if your network is DHCP (VIT1/E1 will get IP settings assigned automatically).

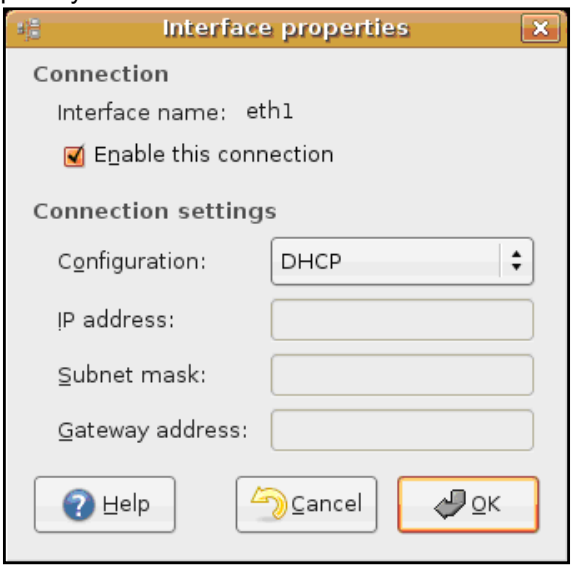
1. Click **System** ->**Administration** -> **Networking** to launch the Network settings. In the Connections section, select the interface you want to configure and click the **Properties** button to configure the settings.



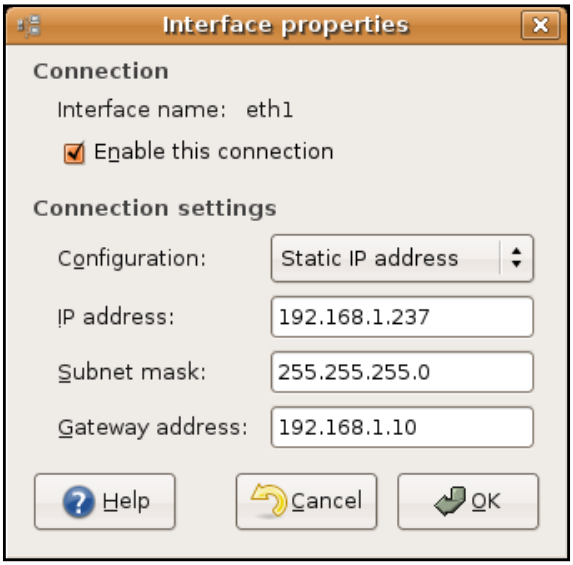
2. The following sreenshot shows the interface “eth0” and “eth1” in Exchange Pro VIT1/E1.



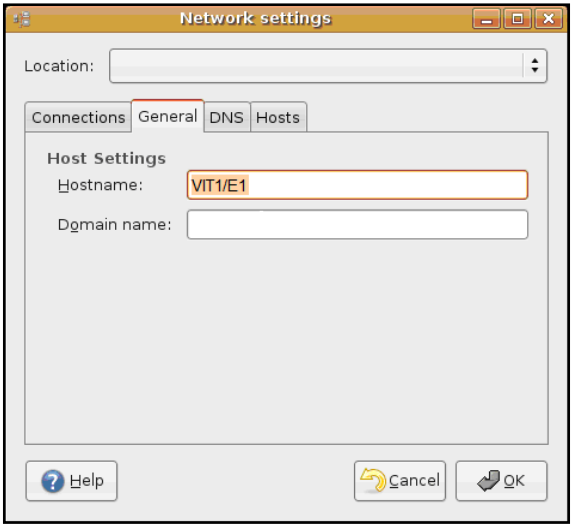
3. Choose a connection configuration type: DHCP or Static IP Address. You can get IP settings assigned automatically if your network supports this capability.



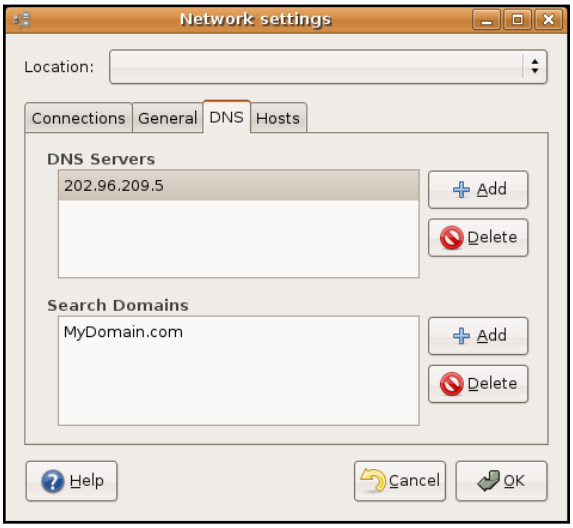
4. If you choose **Static IP Address** option, specify an IP address in **IP address**; type the subnet mask number obtained from your network administrator or Internet service provider; and type the IP address for the default gateway that you want to add.



5. In the Gerneral section, type the hotname or domain name.



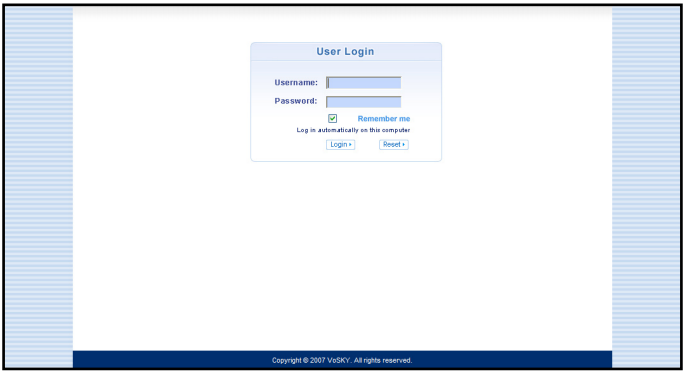
6. If the Exchange Pro VIT1/E1 connects to the Internet through ADSL, please refer to appendix E -“PPPOE Connection” to create a PPPoE client connection.



3. Settings

3.1 Exchange Pro VIT1/E1 Settings

Open your browser (default: http://localhost:8080).Enter the Username-admin and Password-password of administrator in the login page. Select “Remember me if you want to login automatically later.” Click Login to enter the VoSKY Exchange Pro VIT1/E1 Web Console.

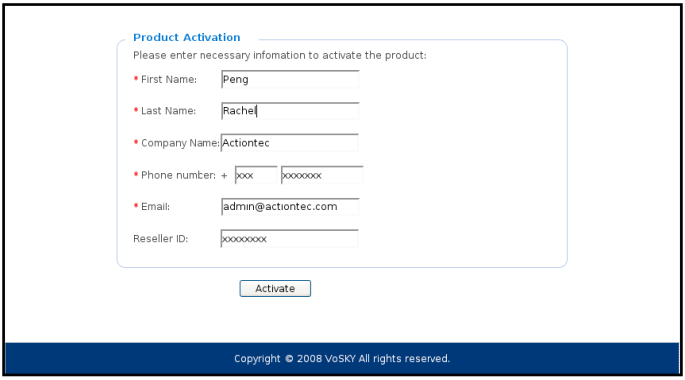


Note: For security reasons, change your administrator password after logging in.

3.1.1 Activating VIT1/E1

You only can obtain the Exchange Pro VIT1/E1's update once it is activated. To activate:

1. Fill in the blanks as show below. Type the **First Name**, **Last Name**, **Company Name**, **Phone number** and **Email**. You can ask your reseller for the Reseller ID. Leave it blank if you don't have one. Click the **Activate** button to continue. Your confidential data will be saved safely.

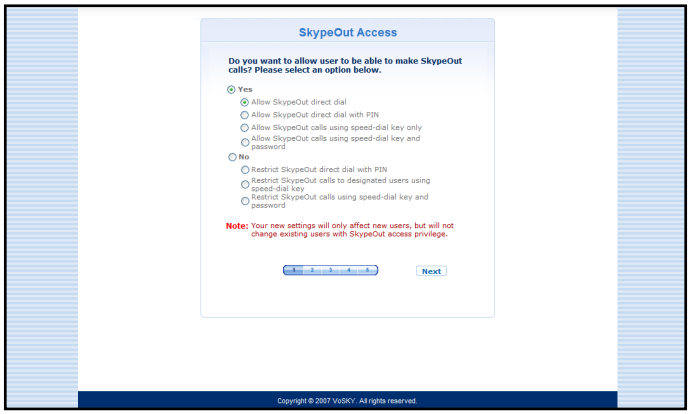

Product Activation
Please enter necessary infomation to activate the product:
* First Name: Peng
* Last Name: Rachel
* Company Name: Actiontec
* Phone number: + xxx xxxxxxx
* Email: admin@actiontec.com
Reseller ID: xxxxxxxx
Activate
Copyright © 2008 VoSKY All rights reserved.

2. After a successful activation, you will receive important updates as well as valuable reseller information.

3.1.2 Configuration Wizard

3.1.2.1 SkypeOut Settings

The first time you login as an administrator, the configuration wizard will ask you several questions to configure the administrator account properly. You must select one of the following options for SkypeOut access.


SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls? Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.
Next
Copyright © 2007 VoSKY. All rights reserved.

1. **Yes** (If you select any option in the “Yes” section, the default value of “Allow to Dial SkypeOut” will be “Yes” in the “Add User” screen.)

   a. **Allow SkypeOut direct dial**

      i. All users can make SkypeOut calls directly (SkypeOut number)

      ii. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (Speed-dial key)

      iii. Users are allowed to make SkypeOut calls by the Speed-dial key in the Private Contacts list (PIN+Speed-dial key)

   b. **Allow SkypeOut direct dial with PIN**

      i. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (Speed-dial key)

      ii. Users are allowed to make SkypeOut calls by the Speed-dial key in the Private Contacts list (PIN+Speed-dial key)

      iii. Users are allowed to make SkypeOut calls if prefixed with their PIN (PIN+SkypeOut number)

c. **Allow SkypeOut calls using speed-dial key only**

i. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (speed-dial key)

ii. Users are allowed to make SkypeOut calls by the Speed-dial key in the Private Contacts list (PIN+Speed-dial key)

d. **Allow SkypeOut calls using speed-dial key and password**

i. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (speed-dial key)

ii. Users are allowed to make SkypeOut call by the Speed-dial key in the Private Contacts and password (PIN + Speed-dial key + * + password)

	SkypeOut number directly	PIN + SkypeOut number	PIN + Private Speed-dial key	PIN + Private Speed-dial key + * + password	Public Speed-Dial key
Allow SkypeOut direct dial	V	X	V	V	V
Allow SkypeOut direct dial with PIN	X	V	V	V	V
Allow SkypeOut calls using speed-dial key only	X	X	V	V	V
Allow SkypeOut calls using speed-dial key and password	X	X	X	V	V

2. **No** (If you select any option under “No,” the default value of “Allow to Dial SkypeOut” will be “No” in the “Add User” screen.)

a. **Restrict SkypeOut direct dial with PIN**

i. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (speed-dial key)

ii. Users are allowed to make SkypeOut calls by thesSpeed-dial key in the Private Contacts list (PIN+Speed-dial key)

iii. Users are allowed to make SkypeOut calls if prefixed with their PIN: (PIN+SkypeOut number)

b. **Restrict SkypeOut calls to designated users using speed-dial key**

i. All users can make SkypeOut calls by the Speed-dial key in the Public Contacts list (speed-dial key)

ii. Users are allowed to make SkypeOut calls by the speed-dial key in the Private Contacts list (PIN+speed-dial key)

c. **Restrict SkypeOut calls using speed-dial key and password**

i. All users can make SkypeOut calls by the speed-dial key in the Public Contacts list (speed-dial key)

ii. Users are allowed to make SkypeOut call by the speed-dial key in the Private Contacts and password (PIN + Speed-dial key + * + password)

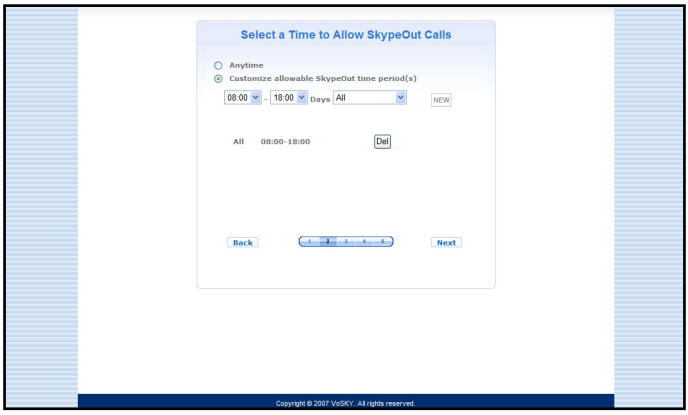
	SkypeOut number directly	PIN + SkypeOut number	PIN + Private Speed-dial key	PIN + Private Speed-dial key + * + password	Public Speed-Dial key
Restrict SkypeOut direct dial with PIN	X	V	V	V	V
Restrict SkypeOut calls to designated users using speed-dial key	X	X	V	V	V
Restrict SkypeOut calls using speed-dial key and password	X	X	X	V	V

Please refer to the examples in section 4.2.2 – “Regular Dialing” to get a detailed explanation of the different options offered for SkypeOut Access.

Select the option best suited for your requirements, then click **Next**.

3.1.2.2 SkypeOut Call Availability

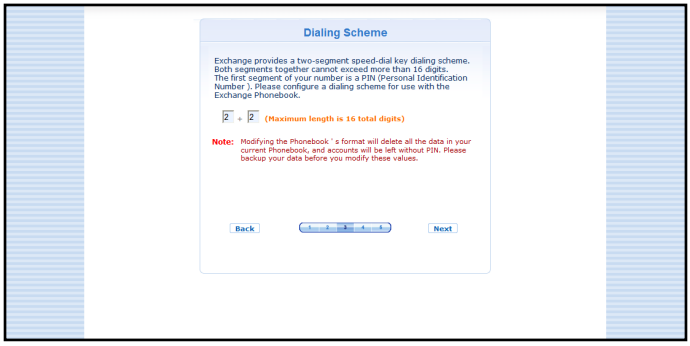
Configure the time period for SkypeOut functionality. If you don't want to restrict SkypeOut dialing, select **Anytime**. If you want to customize the time period, select the time in the drop-down list, then click **New** to add a new item. When you finish configuring, click **Next**.



3.1.2.3 Dialing Scheme

Exchange Pro VIT1/E1 provides a two-segment "X+Y" dialing scheme (16 digits maximum). The first segment "X" is the PIN (personal identification number). The second segment "Y" is the speed-dial key. The default format is 2+2 (2-digit PIN + 2-digit key). Enter the numbers in the fields as shown below, then click **Next**.

Note: The digits for Y cannot be "0".


Dialing Scheme
Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits. The first segment of your number is a PIN (Personal Identification Number). Please configure a dialing scheme for use with the Exchange Phonebook.
2 + 2 (Maximum length is 16 total digits)
Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.
Back
Next

3.1.2.4 Administrator's Settings

Configure the administrator's settings. You can modify the following:

- Password
- Nickname
- Ext.No.
- Cell Phone No.
- Skype ID
- Comment

The Username and PIN cannot be modified. The cell phone Number and Skype ID fields are required (they will be used for Exchange Pro VIT1/E1 Auto-Notification).

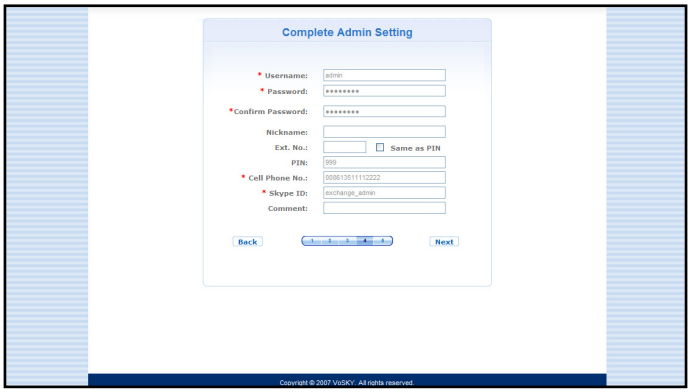
☞ **Note**: The "Cell Phone Number" field should be entered using the SkypeOut format: **00 + country code + area code + local phone number** or **00 + country code + area code + cell phone number**.

Example:

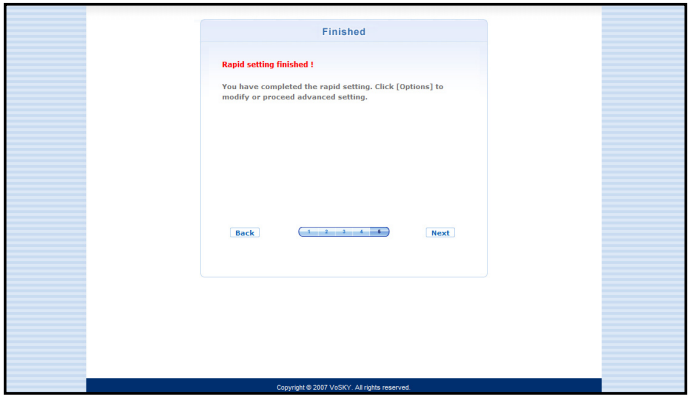
1. To make a SkypeOut call to the telephone number 555-1234 located in San Francisco (area code 415) in the US (country code 1), dial: 0014155551234.

2. To make a SkypeOut call to the cell phone number 555-4321 located in San Francisco (area code 415) in the US (country code 1), dial: 0014155554321.

When finished, click **Next**.

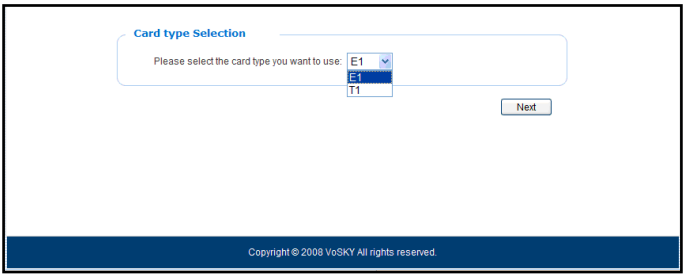


You have completed the configuration wizard settings. Click **Back** to modify your settings. Otherwise, click **OK**.


Finished
Rapid setting finished !
You have completed the rapid setting. Click [Options] to modify or proceed advanced setting.
Back
Next
Copyright © 2007 VoSKY. All rights reserved.

3.1.3 Setting up the E1/T1 Card Type

When you first login, you should choose the card type: E1 or T1. It depends on the E1/T1 card in your PBX. Select E1 if you have an E1 card in the PBX. Select T1 if you have a T1 card in the PBX. Click the **Next** button.



Note: If the card is configured as E1, it will launch 30 Skype accounts; a card configured as T1 will launch 23 Skype accounts. Once the configuration is complete you may not switch card type settings. You must use the Recovery DVD to restore the system to change the card type settings.

3.1.4 Launching Skype Accounts

The number of Skype accounts depends on the E1/T1 card type. If the card is configured as E1 it will launch 30 Skype accounts, while the card configured as T1 will launch 23 Skype accounts.

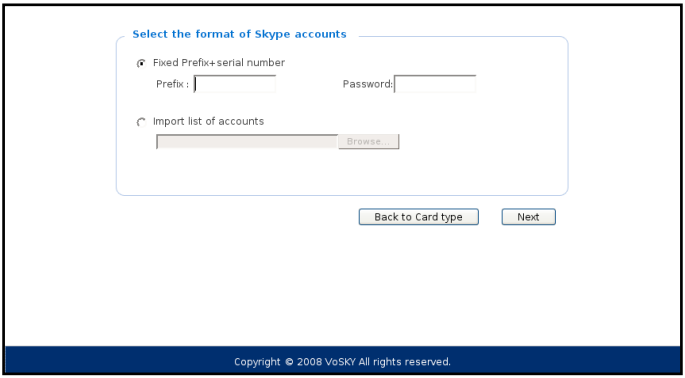
You must create 23/30 Skype accounts before launching. We recommend creating Skype IDs with a sequential naming convention:

Skype ID: Prefix1- Prefix30 or Prefix1- Prefix23. For example: exchange1, exchange2…exchange30.

If the Skype accounts are not named sequentially, then please import an account file to launch the Skype accounts.

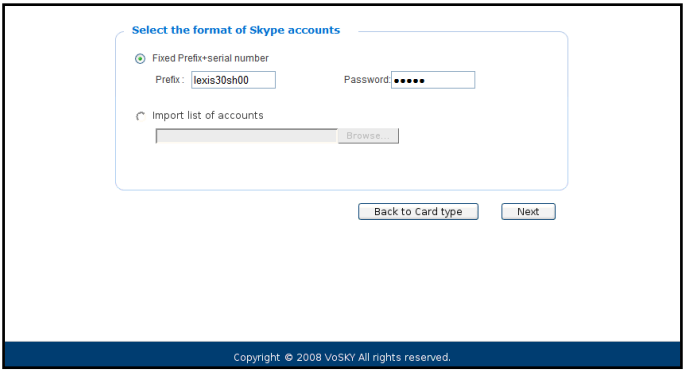
The following examples will illustrate the E1 settings to launch 30 Skype accounts.

Note: Do not change the supported language before launching Skype accounts. Please remember to do it once the Skype accounts are launched successfully.

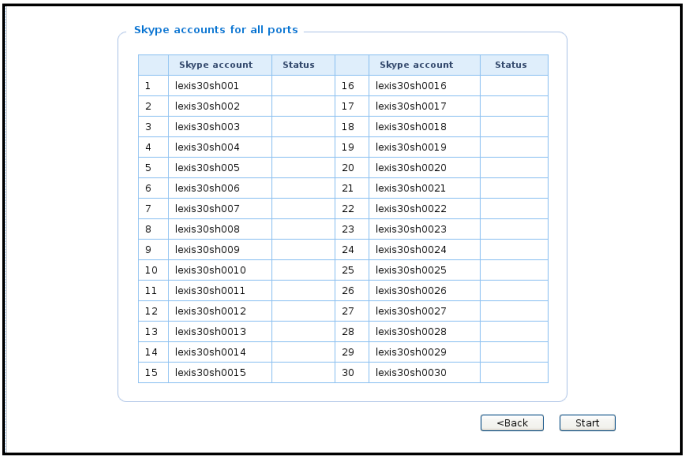


3.1.4.1 Rapid Launch

This option is only available if you use a uniform password for all Skype accounts. Select the **Fixed Prefix+serial number** option and enter the Skype IDs' prefix, such as lexis30sh00. Then enter the uniform password in the Password field. Click the **Next** button to continue.



Exchange Pro VIT1/E1 will list the 30 Skype accounts such as lexis30sh001, lexis30sh 002 …lexis30sh0030. Click the **Back** button to return to the previous page to revise. Otherwise, click the **Start** button to start the Skype launch process.



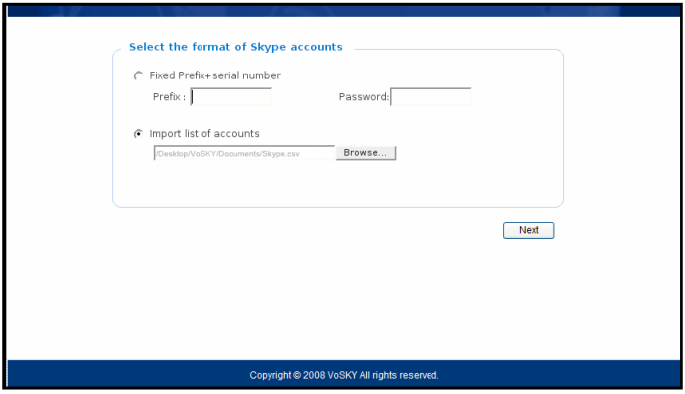
☞ **Note: The process will take about 15-20 minutes (depending on network conditions). During the process please do not use the keyboard and mouse to avoid interruptions or errors.**

3.1.4.2 File Imported

If you use random Skype accounts with different passwords, we recommend that you import an account file to launch the Skype accounts.

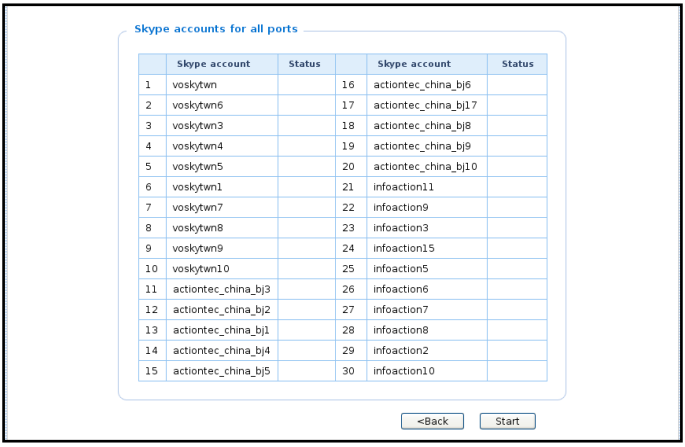
First, open the Exchange Pro VIT1/E1 desktop / VoSKY / Documents / Skype.csv. This is a template we provide you to specify the Skype accounts and passwords you would like to use. The left column in the figure below are Skype IDs, the right column are the corresponding passwords. You can edit this template with your desired Skype accounts and passwords.

Select the **Import list of accounts** option and click the **Browse** button to select the account file. Click the **Next** button to continue.



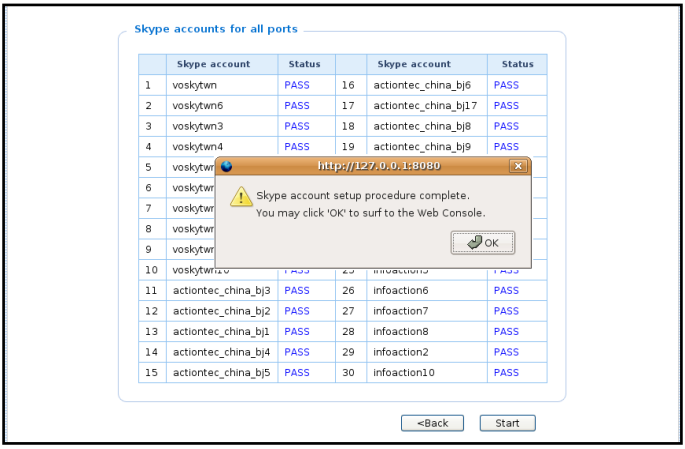
Exchange Pro VIT1/E1 will list the imported 30 Skype accounts. Click the **Back** button to return to the previous page to revise. Otherwise,

click the **Start** button to start Skype launch process.

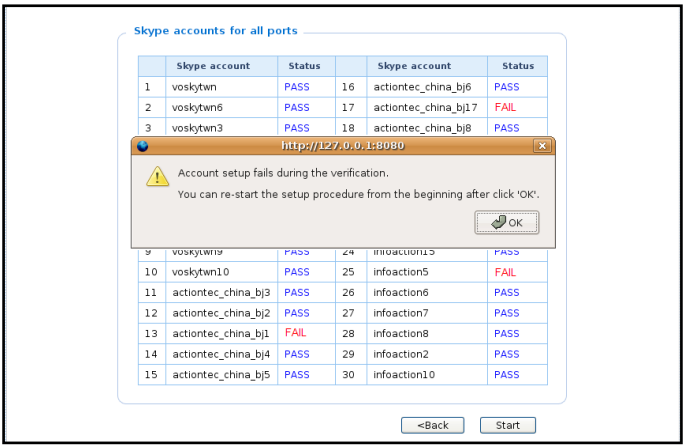


☞ **Note: The process will take about 15-20 minutes (depending on network conditions). During the process please do not use the keyboard and mouse to avoid interruptions or errors.**

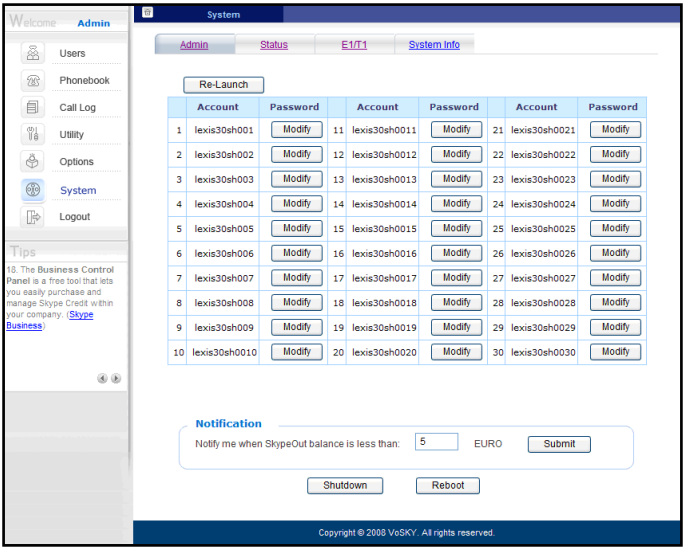
When the process is completed, a message window will pop up to notify you. Click the **Ok** button to close it.


Skype accounts for all ports
Skype account
Status
Skype account
Status
1 voskytwn PASS 16 actiontec_china_bj6 PASS
2 voskytwn6 PASS 17 actiontec_china_bj17 PASS
3 voskytwn3 PASS 18 actiontec_china_bj8 PASS
4 voskytwn4 PASS 19 actiontec_china_bj9 PASS
http://127.0.0.1:8080
Skype account setup procedure complete.
You may click 'OK' to surf to the Web Console.
OK
11 actiontec_china_bj3 PASS 26 infoaction6 PASS
12 actiontec_china_bj2 PASS 27 infoaction7 PASS
13 actiontec_china_bj1 PASS 28 infoaction8 PASS
14 actiontec_china_bj4 PASS 29 infoaction2 PASS
15 actiontec_china_bj5 PASS 30 infoaction10 PASS
<Back
Start

☞ **Note:** If the imported account password is not correct, a message window will pop up to notify you to relaunch the Skype accounts using the correct passwords.


Skype accounts for all ports
Skype account
Status
Skype account
Status
1 voskytwn PASS 16 actiontec_china_bj6 PASS
2 voskytwn6 PASS 17 actiontec_china_bj17 FAIL
3 voskytwn3 PASS 18 actiontec_china_bj8 PASS
http://127.0.0.1:8080
Account setup fails during the verification.
You can re-start the setup procedure from the beginning after click 'OK'.
OK
10 voskytwn10 PASS 25 infoaction5 FAIL
11 actiontec_china_bj3 PASS 26 infoaction6 PASS
12 actiontec_china_bj2 PASS 27 infoaction7 PASS
13 actiontec_china_bj1 FAIL 28 infoaction8 PASS
14 actiontec_china_bj4 PASS 29 infoaction2 PASS
15 actiontec_china_bj5 PASS 30 infoaction10 PASS
<Back
Start

The Skype ID of the first port on Exchange Pro VIT1/E1 will be used as the Company Skype ID.


Welcome Admin
Users
Phonebook
Call Log
Utility
Options
System
Logout
Tips
18. The Business Control Panel is a free tool that lets you easily purchase and manage Skype Credit within your company. (Skype Business)
System
Admin
Status
E1/T1
System Info
Re-Launch
Account
Password
1 lexis30sh001 Modify 11 lexis30sh0011 Modify 21 lexis30sh0021 Modify
2 lexis30sh002 Modify 12 lexis30sh0012 Modify 22 lexis30sh0022 Modify
3 lexis30sh003 Modify 13 lexis30sh0013 Modify 23 lexis30sh0023 Modify
4 lexis30sh004 Modify 14 lexis30sh0014 Modify 24 lexis30sh0024 Modify
5 lexis30sh005 Modify 15 lexis30sh0015 Modify 25 lexis30sh0025 Modify
6 lexis30sh006 Modify 16 lexis30sh0016 Modify 26 lexis30sh0026 Modify
7 lexis30sh007 Modify 17 lexis30sh0017 Modify 27 lexis30sh0027 Modify
8 lexis30sh008 Modify 18 lexis30sh0018 Modify 28 lexis30sh0028 Modify
9 lexis30sh009 Modify 19 lexis30sh0019 Modify 29 lexis30sh0029 Modify
10 lexis30sh0010 Modify 20 lexis30sh0020 Modify 30 lexis30sh0030 Modify
Notification
Notify me when SkypeOut balance is less than: 5 EURO Submit
Shutdown
Reboot
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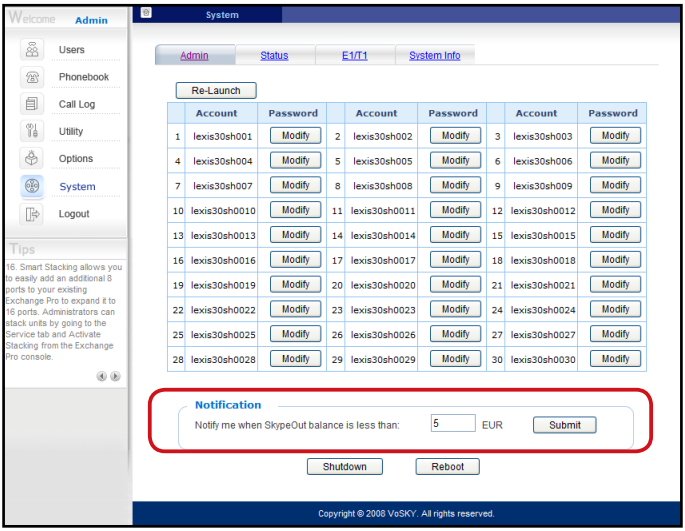
3.1.5 Skype Credit Low Balance Notification

You can enable this feature under the “Admin” tab on the Exchange Pro VIT1/E1 Web Console to get an automatic low balance notification when the SkypeOut balance is lower than the value you set (default - 5). After configuration, the corresponding Skype account will send an IM to your assigned SkypeID when the above occurs on any Skype account of Exchange Pro VIT1/E1. Additionally, you will hear a voice prompt notification of the SkypeOut balance when making a SkypeOut call.

☞ **Note**: Use the same currency units to manage Skype credit of Exchange Pro VIT1/E1. Exchange Pro VIT1/E1 will automatically use the currency units of its first Skype account as the default value.

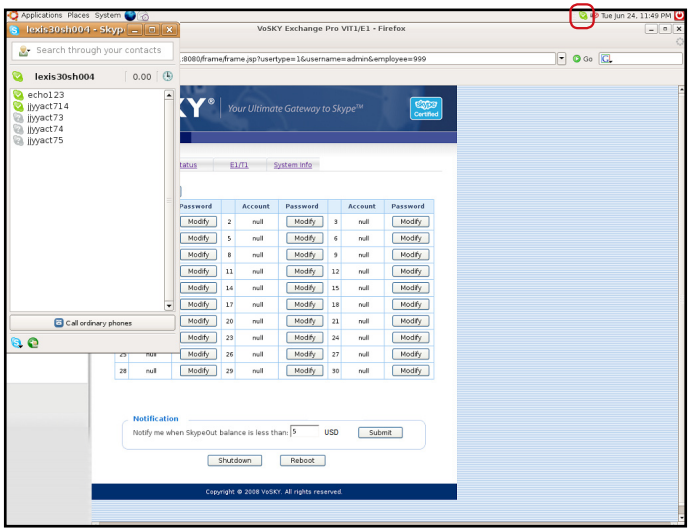


3.1.6 Changing the Skype's Password

Click the **Modify** button next the Skype ID in "Admin" tab to modify the corresponding Skype's password.

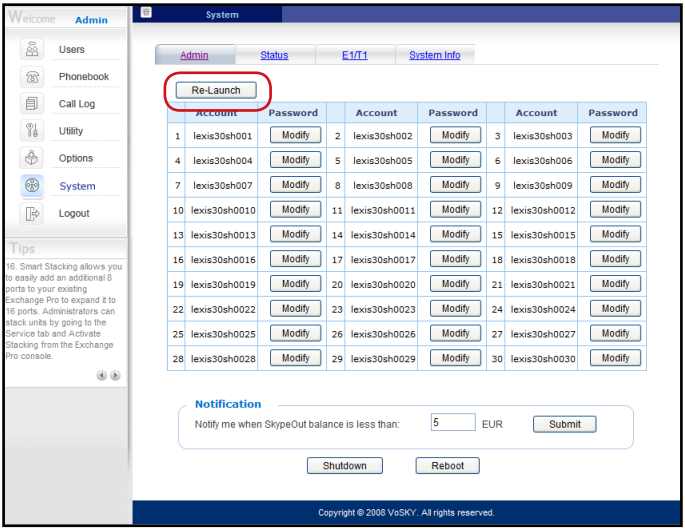
☞ **Note:** Do not change the Skype accounts to avoid bad voice quality or system crash.

☞ **Note:** During this process all Skype accounts will sign out and the Exchange Pro VIT1/E1 service will restart. Make sure there are no active calls before proceeding.



Enter the new password in the "Change Password" window and click **OK** to save the modification.

Click the Re-Launch button to launch all the Skype accounts.



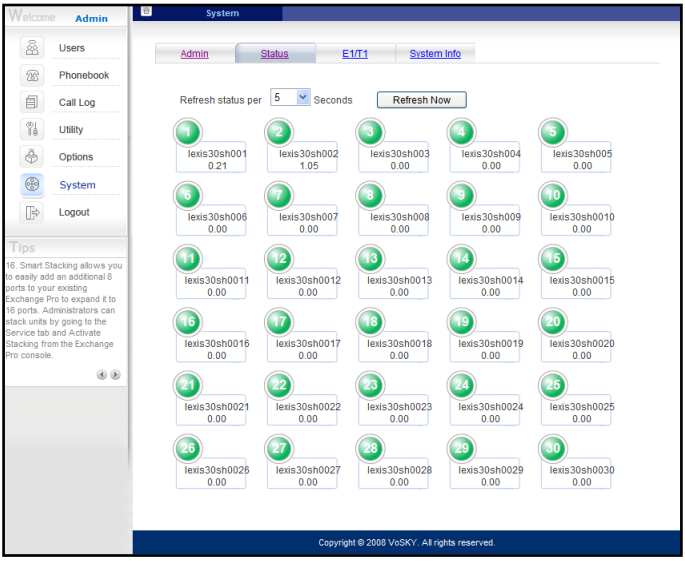
3.1.7 Viewing Skype Status

When the Skype accounts are launched, the corresponding status indicator under the “Status” tab on the Exchange Pro VIT1/E1 Web Console will turn green.

Green: The connection is working properly and the Skype line is available.

Red: The connection is not available or is not working properly.

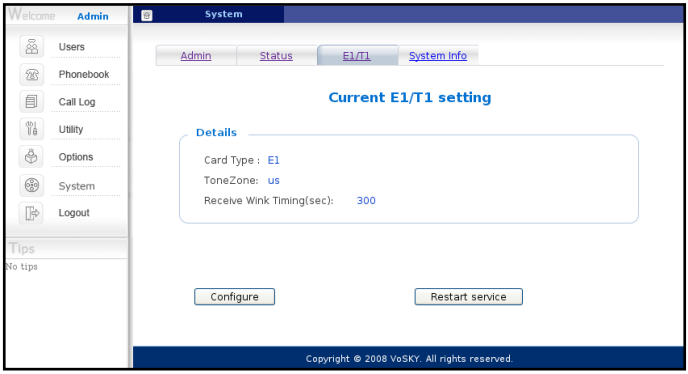
Blue: The connection is working properly and the Skype line is busy.



The Skype status may not refresh immediately. Please click the **Refresh Now** button to access the current status display (the default for automatic refresh is 5 seconds).

3.1.8 Setting up E1

E1/T1 page will show E1 settings.

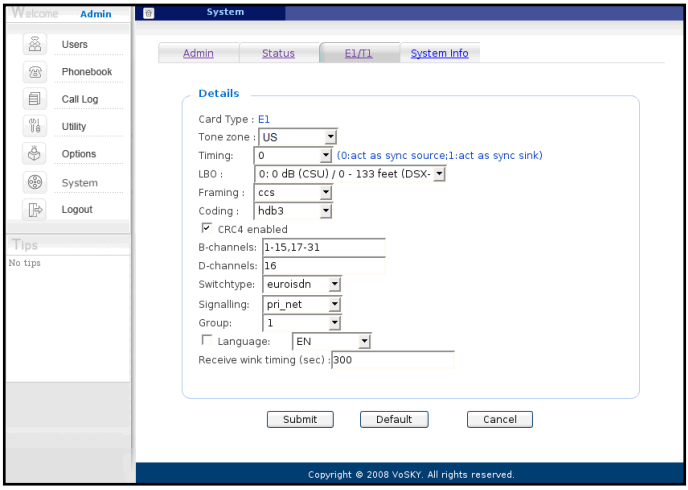


In the **E1/T1** page, click the **Configure** button.

Timing in Exchange Pro VIT1/E1 is set to "0".

Exchange Pro VIT1/E1's Signalling currently only supports pri_net (Network side/Master).

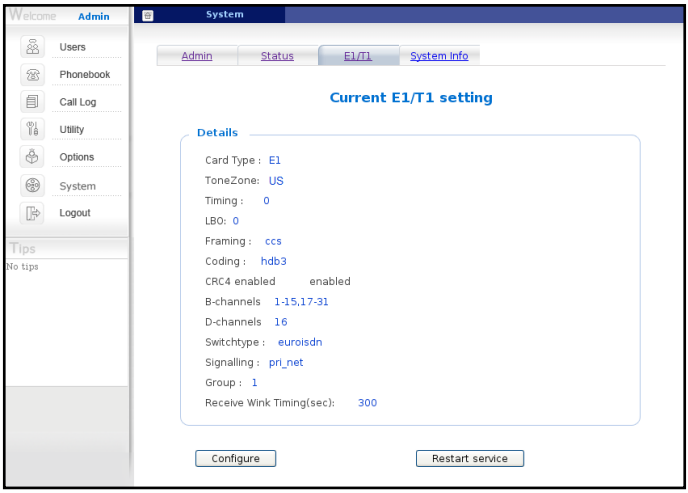
If you can not find the corresponding settings on your PBX, please use the default settings in Exchange Pro VIT1/E1.



Following is the initial default values:

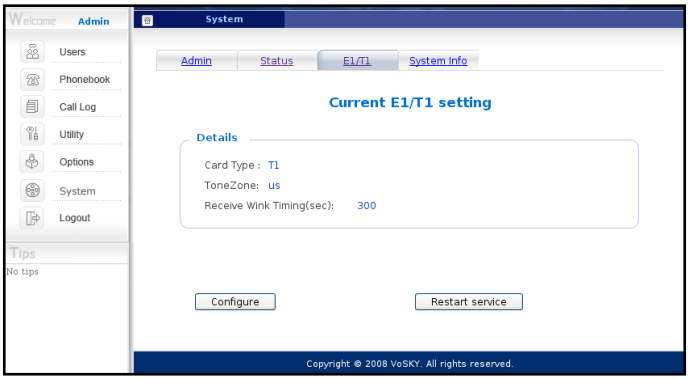
Tone zone	US
Timing	0
LBO	0
Framing	ccs
Coding	hdb3
CRC4	Enabled
B-channels	1-15,17-31
D-channels	16
Switchtype	euroisdn
Signalling	pri_net(only supports pri_net)
Group	1
Language	EN
Receive Wink Timing	300

To complete the setup, in the E1/T1 page, click the **Restart service** button for the parameters to take effect.



3.1.9 Setting up T1

E1/T1 page will show T1 settings.

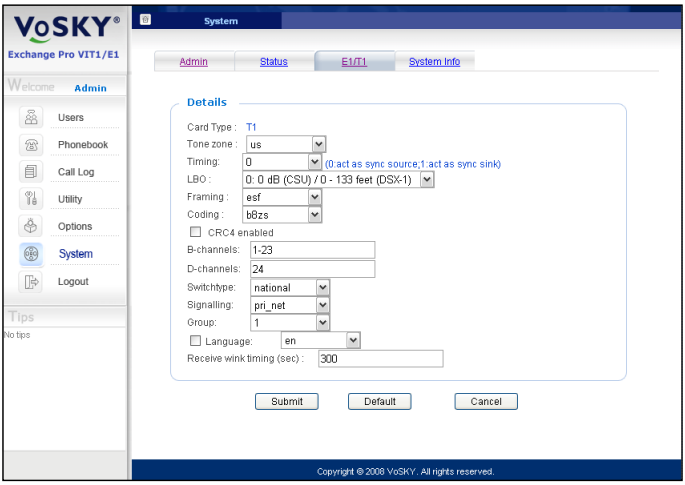


In the **E1/T1** page, click the **Configure** button.

Timing in Exchange Pro VIT1/E1 is set to "0".

Exchange Pro VIT1/E1's Signalling currently only supports pri_net (Network side/Master).

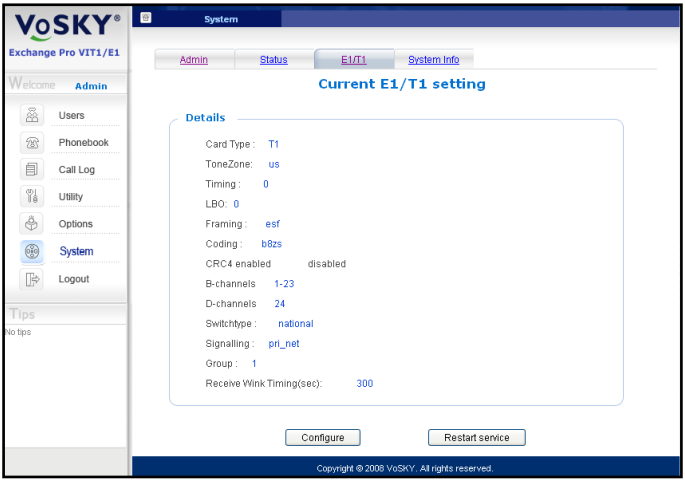
If you can not find the corresponding settings on your PBX, please use the default settings in Exchange Pro VIT1/E1.



Following is the initial default values:

Tone zone	US
Timing	0
LBO	0
Framing	esf
Coding	b8zs
CRC4	Disabled
B-channels	1-23
D-channels	24
Switchtype	national
Signalling	pri_net(only supports pri_net)
Group	1
Language	EN
Receive Wink Timing	300

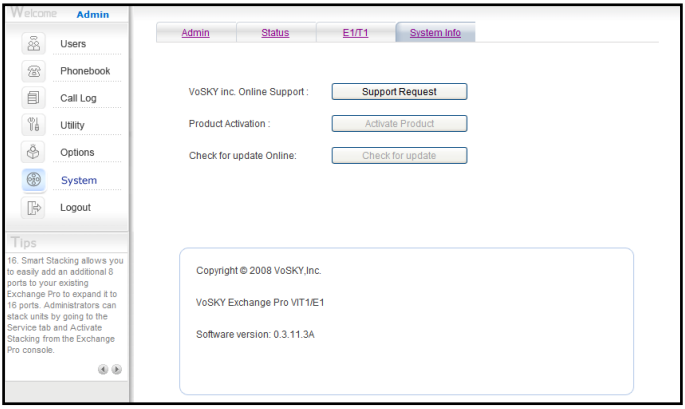
To complete the setup, in the E1/T1 page, click the **Restart service** button for the parameters take effect.



3.1.10 Request Support

If you encounter any problems about our product or would like to comment, please contact us in one of the following ways:

1. Go to the VoSKY Exchange Pro Web Console. Click on the “System Info” tab, then click on the **Support Request** as shown below:



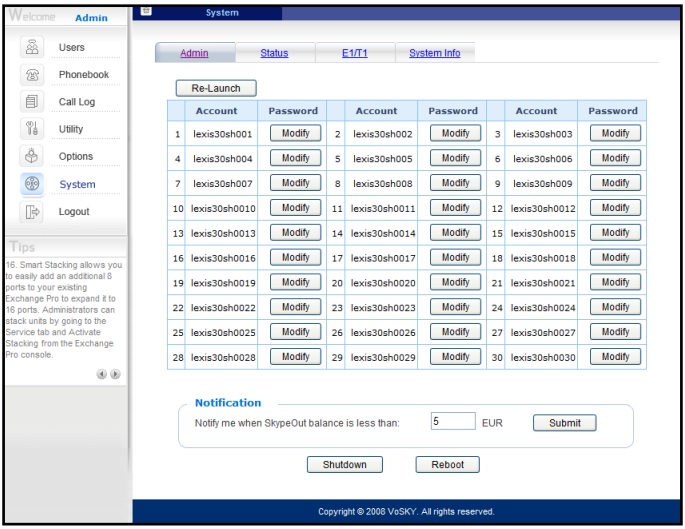
2. Go to http://www.vosky.com/modules/onlinesupport to report any problems.

3. Go to one of the VoSKY website forums:
   http://www.vosky.com/forums/english/ (English)
   http://www.vosky.com/forums/schinese/ (Simplified Chinese)
   http://www.vosky.com/forums/tchinese/ (Traditional Chinese)

   Thank you for using VoSKY Exchange Pro VIT1/E1. We value your comments and concerns.

3.1.11 Shutdown or Reboot VIT1/E1

Click the **Shutdown** or **Reboot** button at the bottom of “Admin” tab to shutdown or reboot Exchange Pro VIT1/E1.



3.1.12 Updating VIT1/E1

Exchange Pro VIT1/E1 automatically checks for software and firmware updates every 24 hours. When there is an update available, the Exchange Pro VIT1/E1 will automatically notify you by sending an IM to your Skype ID.

You can only obtain Exchange Pro VIT1/E1 updates once it is activated.

Click **System** -> **Administration** -> **Update Manager** to launch the update program.

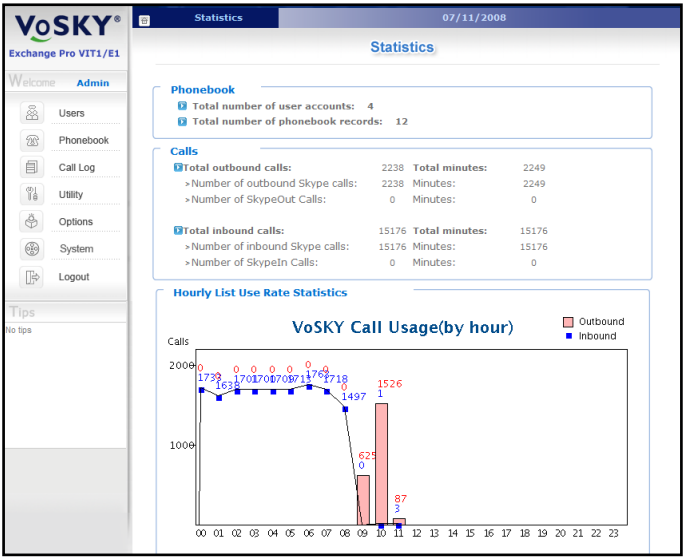
3.2 VIT1/E1 Web Console Settings

The section explains how to configure the Exchange Pro VIT1/E1 Web Console. You must configure the following settings before using the Exchange Pro VIT1/E1 to make calls:

- The user management of Exchange Pro VIT1/E1, including adding, deleting and modifying users
- The phonebook management of Exchange Pro VIT1/E1, including Public Contacts and Private Contacts
- Dialing Scheme settings
- SkypeOut settings
- Call log management

3.2.1 Statistics

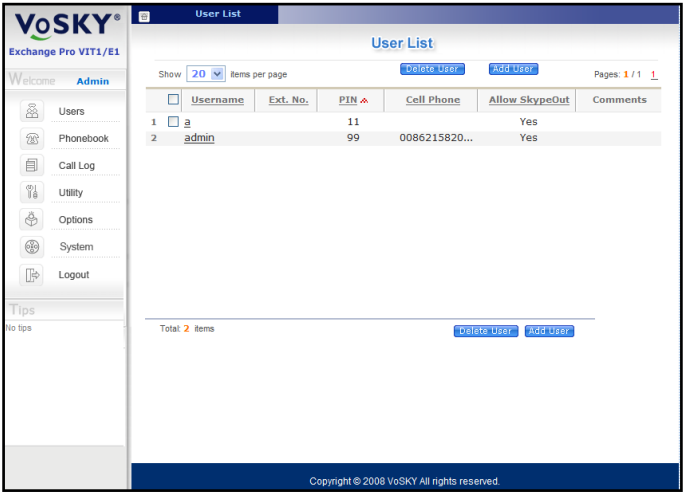
The “Statistics” page appears when you finish the Configuration Wizard, by clicking the icon, or whenever you login to the Web Console. In this screen, you can view the current number of User accounts, the number of records in the Phonebook, the total number of calls, call duration, and the frequency of usage per hour. An example is shown below:



3.2.2 Users

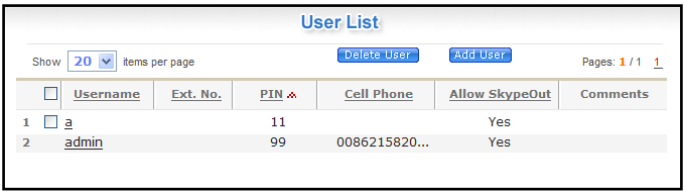
There are two possible types of users when logging into the Exchange Pro VIT1/E1 Web Console: administrator and normal user. All normal users are created and managed by the administrator.

Click **Users** on the left pael to view the current user list. You can sort the user list by clicking on one of the column headings.



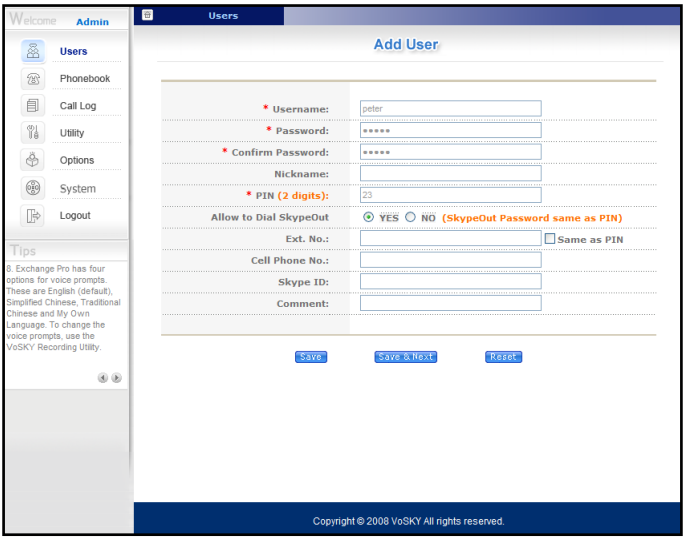
3.2.2.1 Adding Users

Click **Add User** in the User List page to add a new user account as shown below:



In the **Add User** page, the fields “Username,” “Password,” “Confirm Password” and “PIN” must have an entry. The Username and Password fields are used for logging into the Exchange Pro VIT1/E1 Web Console. The PIN parameter on the page will notify you of the number of digits required for this parameter.

☞ **Note**: If the number of digits required for PIN is 3, the PIN value cannot contain less than or more than 3 digits.



The option “Allow SkypeOut access?” is used to determine determine if a user is allowed to make SkypeOut calls. The default option is configured in the Configuration Wizard (refer to Section 3.1.2.1 – “SkypeOut Settings”). Each user can modify his own information

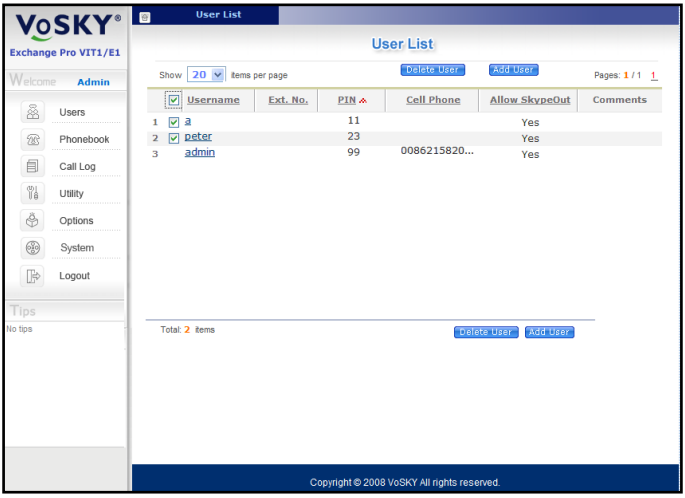
by logging into the Exchange Web Console with his username and password.

The fields “Ext. No.,” “Cell Phone No.,” “Skype ID” and “Telephone Number” are do not require an entry.

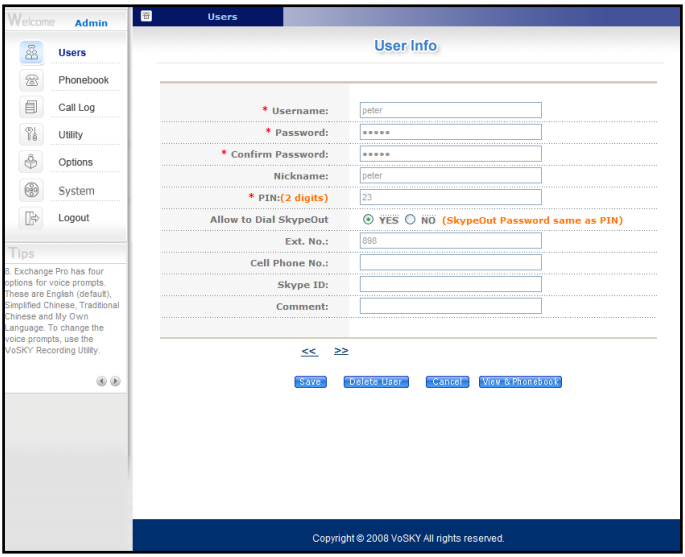
When finished, click **Save** to save the new user. Click **Save & Next** to save the new user and add an additional new user.

3.2.2.2 Modifying User Information

The **User List** page will show the information list of users. Select the check box of the user you want to delete and then click **Delete User** as shown below (the “Admin” account cannot be deleted:



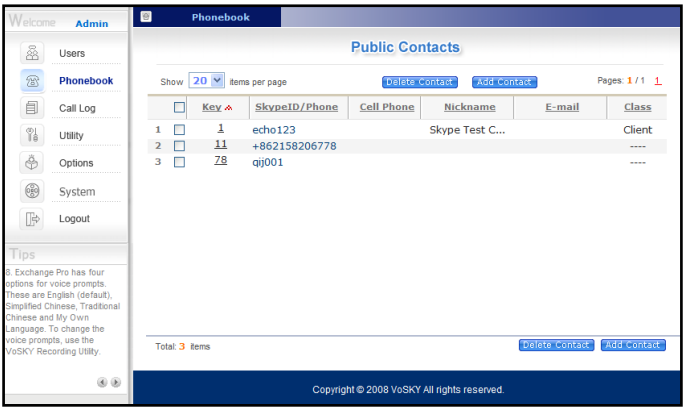
To view the information of a user, just click on their username from the list. To modify a user’s information, click **Modify** to allow editing and edit the values. Click **Save** to save the modification (“Username” and “PIN” are read-only).



3.2.3 Phonebook

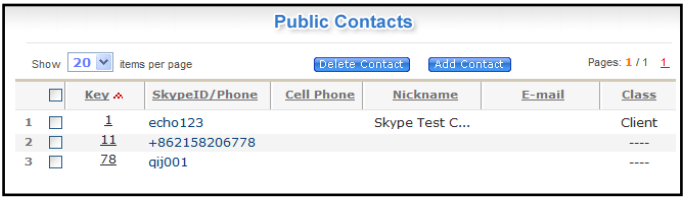
Exchange Pro VIT1/E1 has two Phonebooks: Public Contacts and Private Contacts. As an administrator, you can add and manage Public Contacts. Public Contacts are contacts universally shared within the company. All users can view Public Contacts after login. As a normal user, you can add and manage Private Contacts. Private Contacts are for personal use.

Click **Phonebook** on the left to view the “Public Contacts” screen. Various parameters, including “Key,” “Skype ID/Phone,” “Cell Phone,” “Nickname,” “E-mail,” and “Class” can be viewed here. You can sort the Public Contacts list by clicking the column headings.

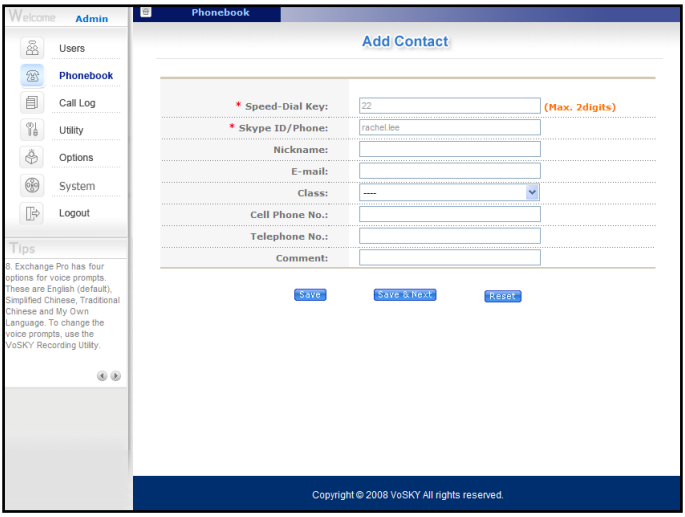


3.2.3.1 Adding Public Contacts

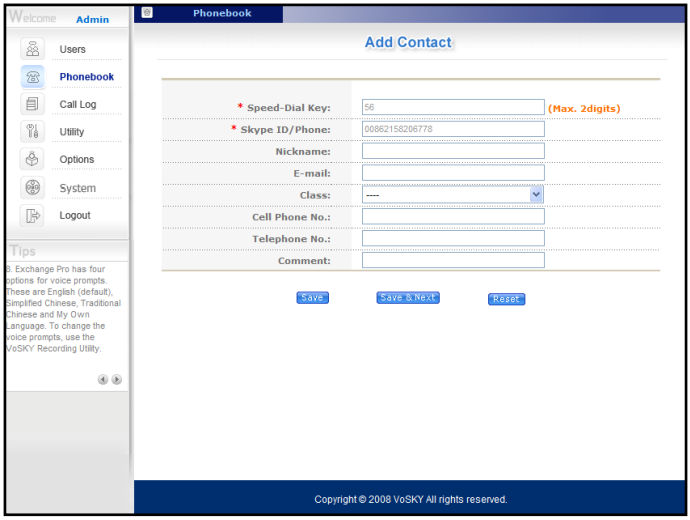
Click **Add Contact** in the Public Contacts page to add a new public contact, as shown below:



Add a public contact in the “Add Contact” screen. The “Speed-Dial Key” and “Skype ID/Phone” fields are required. The digits of Speed-Dial key will appear at the end of this field. In the Skype ID/Phone field, you can enter a Skype ID or a telephone number using the SkypeOut format. The rest of the fields are optional.



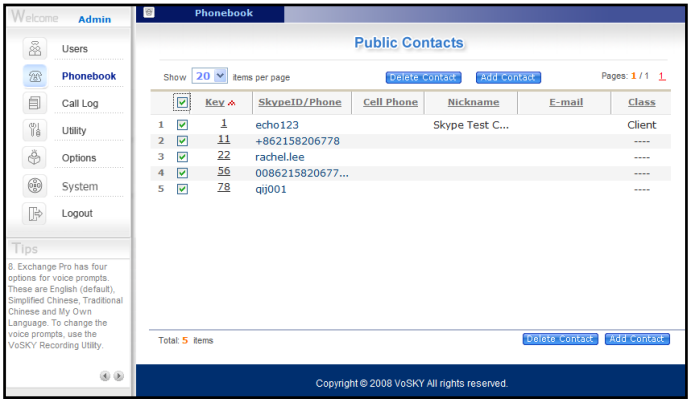
☞ **Note**: To add a telephone number as a contact, enter it using the SkypeOut format in the Skype ID/Phone field: **00 + country code + area code + telephone number** or **00 + country code + cell phone number**.



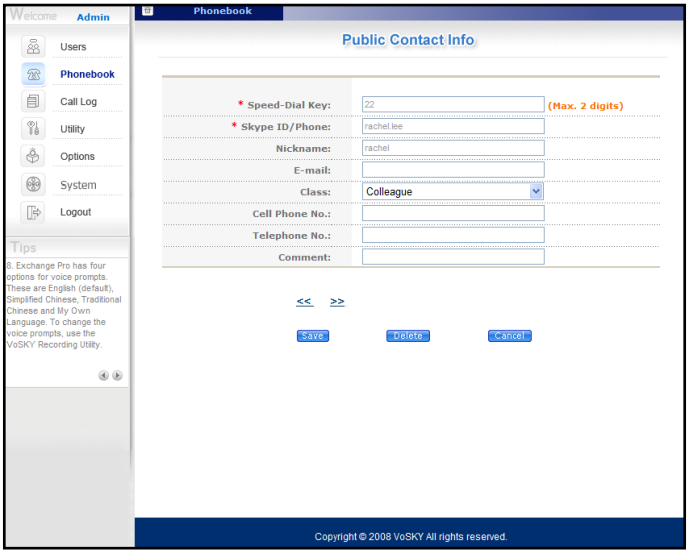
When finished, click **Save** to save the new contact. Click **Save & Next** to save the new contact and add an additional new contact.

3.2.3.2 Modifying Public Contacts

The “Public Contacts” screen displays the information of a Public Contact. Select the check box of the public contact you want to delete and then click **Delete Contact** as shown below:



To view the information of a public contact, just click the appropriate Skype ID/Phone. You can view the information in the “Public Contact Info” page. To modify a public contact, click **Modify** to edit the values you wish to change. Click **Save** to save the modification.



3.2.4 Call Log

Click **Call Log** on the left to view the call log of users. Exchange Pro VIT1/E1 records all the information of a call, including Date, Caller, Callee, Destination, Type, Duration, Rate/min, Price and Connection fee. The call rate of SkypeOut does not rely on where the call is launched but the destination of the call. All SkypeOut calls are subject to a connection fee (go to http://www.skype.com for more information about the call rate and connection fee of SkypeOut). Note the following:

1. The default currency units of SkypeOut's call rate and charges is the same as that of your purchased Skype credit. If you change to new currency units, the call rate and charges for future SkypeOut calls will also change. The old call records will remain using the previous currency units. (Changing currency units may cause a currency exchange value loss. Skype will send a notification email to you as shown below.)

Hello pci401,

Good news! We've now received confirmation that your transaction has cleared, and your currency has been converted to EUR.

In most cases, you can immediately begin using the service with Skype. For more information about this, please see http://support.skype.com/

You can view the details of the currency conversion transaction on your account page at https://secure.skype.com/store/myaccount/orderdetails.html?order_id=47364905

Order Details

Skype Name: pci401
Number: 47364905
Date: 13-10-2006 03:23

- Currency Exchange

Total amount: 5.19 USD, 4.06 EUR

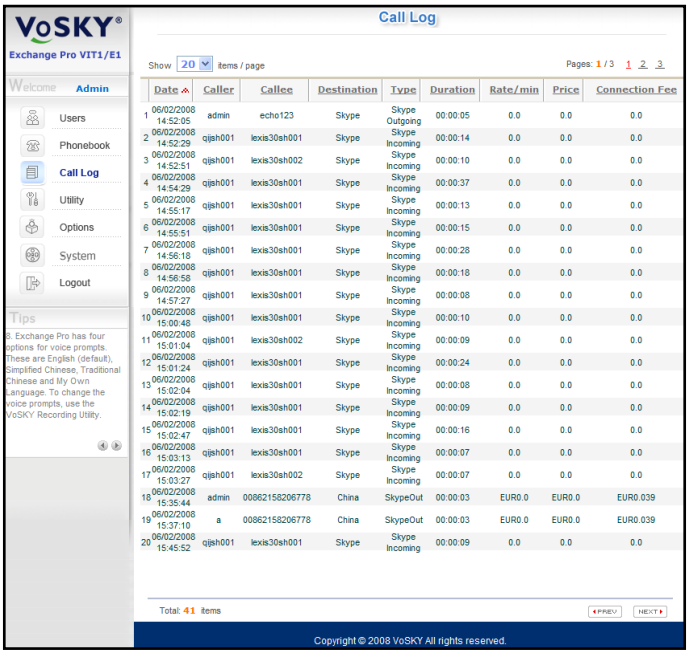
== Getting help for Skype ==

While you cannot reply to this email directly, you can contact us through our Help section at www.skype.com/help for assistance or to correct any errors. You can also visit our forums at www.skype.com/go/forum.

Thank you very for much for using Skype and best regards,
The people at Skype

2. The charges for Skype credit are calculated per minute.
3. The call duration under the Call Log is generated from the Skype Client.
4. There might be a 3-5 seconds error between the SkypeOut call duration recorded by the Skype Client and that of the Skype Server. Therefore, when the SkypeOut call duration is X minutes and 1-5 seconds on the Skype Client, there might be a one minute error. Please check the Skype Server for your actual charges.

5. Connection fees only apply to SkypeOut calls. Connection Fee is required for SkypeOut service which does not depend on the call duration.
6. If the Skype accounts are subscribed to the Skype Unlimited plan, the reported charges may not be accurate.


VoSKY
Exchange Pro VIT1/E1
Welcome Admin
Users
Phonebook
Call Log
Utility
Options
System
Logout
Tips
6. Exchange Pro has four options for voice prompts. These are English (default), Simplified Chinese, Traditional Chinese and My Own Language. To change the voice prompts, use the VoSKY Recording Utility.
Call Log
Show 20 items / page
Pages: 1 / 3 1 2 3
Date Caller Callee Destination Type Duration Rate/min Price Connection Fee
1 06/02/2008 14:52:05 admin echo123 Skype Skype Outgoing 00:00:05 0.0 0.0 0.0
2 06/02/2008 14:52:29 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:14 0.0 0.0 0.0
3 06/02/2008 14:52:51 qijsh001 lexis30sh002 Skype Skype Incoming 00:00:10 0.0 0.0 0.0
4 06/02/2008 14:54:29 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:37 0.0 0.0 0.0
5 06/02/2008 14:55:17 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:13 0.0 0.0 0.0
6 06/02/2008 14:55:51 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:15 0.0 0.0 0.0
7 06/02/2008 14:56:18 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:28 0.0 0.0 0.0
8 06/02/2008 14:56:58 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:18 0.0 0.0 0.0
9 06/02/2008 14:57:27 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:08 0.0 0.0 0.0
10 06/02/2008 15:00:48 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:10 0.0 0.0 0.0
11 06/02/2008 15:01:04 qijsh001 lexis30sh002 Skype Skype Incoming 00:00:09 0.0 0.0 0.0
12 06/02/2008 15:01:24 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:24 0.0 0.0 0.0
13 06/02/2008 15:02:04 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:08 0.0 0.0 0.0
14 06/02/2008 15:02:19 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:09 0.0 0.0 0.0
15 06/02/2008 15:02:47 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:16 0.0 0.0 0.0
16 06/02/2008 15:03:13 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:07 0.0 0.0 0.0
17 06/02/2008 15:03:27 qijsh001 lexis30sh002 Skype Skype Incoming 00:00:07 0.0 0.0 0.0
18 06/02/2008 15:35:44 admin 00862158206778 China SkypeOut 00:00:03 EUR0.0 EUR0.0 EUR0.039
19 06/02/2008 15:37:10 a 00862158206778 China SkypeOut 00:00:03 EUR0.0 EUR0.0 EUR0.039
20 06/02/2008 15:45:52 qijsh001 lexis30sh001 Skype Skype Incoming 00:00:09 0.0 0.0 0.0
Total: 41 items
PREV NEXT
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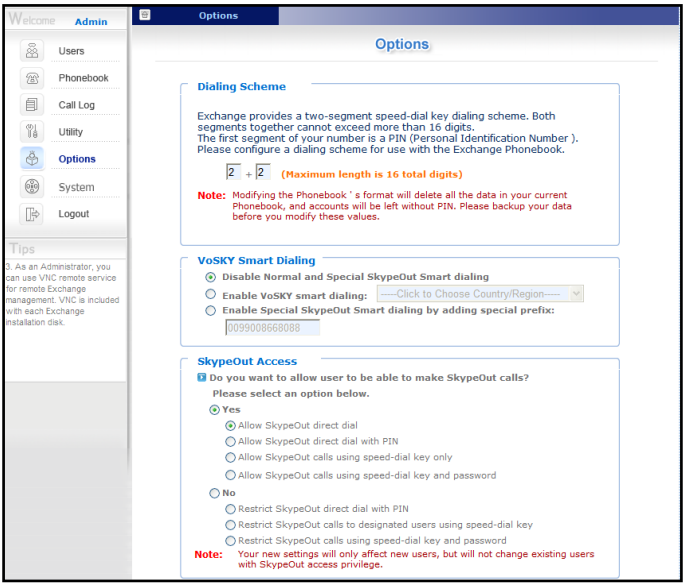
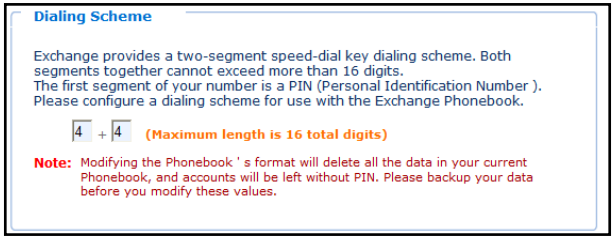
3.2.5 Options

Click **Options** on the left to open the “Options” screen. You can modify the Dialing Scheme, SkypeOut Access, SkypeOut Call Availability, VoSKY Smart Dialing in this screen.


Welcome
Admin
Users
Phonebook
Call Log
Utility
Options
System
Logout
Tips
3. As an Administrator, you can use VNC remote service for remote Exchange management. VNC is included with each Exchange installation disk.
Options
Options
Dialing Scheme
Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number).
Please configure a dialing scheme for use with the Exchange Phonebook.
2 + 2 (Maximum length is 16 total digits)
Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.
VoSKY Smart Dialing
Disable Normal and Special SkypeOut Smart dialing
Enable VoSKY smart dialing: ----Click to Choose Country/Region----
Enable Special SkypeOut Smart dialing by adding special prefix:
00990086680088
SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls?
Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

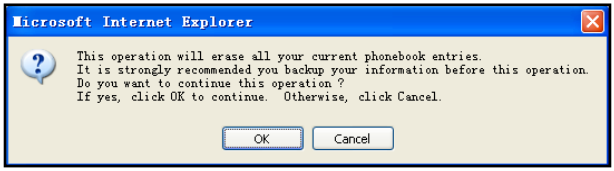
3.2.5.1 Modifying Dialing Scheme

The dialing scheme (X+Y) configured in the Configuration Wizard can be modified in the Options screen. When modifying the dialing scheme, remember that the Y digit cannot be 0. Refer to the example shown below:

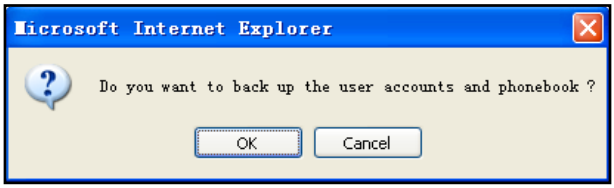

Dialing Scheme
Exchange provides a two-segment speed-dial key dialing scheme. Both segments together cannot exceed more than 16 digits.
The first segment of your number is a PIN (Personal Identification Number).
Please configure a dialing scheme for use with the Exchange Phonebook.
4 + 4 (Maximum length is 16 total digits)
Note: Modifying the Phonebook ' s format will delete all the data in your current Phonebook, and accounts will be left without PIN. Please backup your data before you modify these values.

Warning: Make sure to backup the data before modifying the Dialing Scheme. Any modification to the dialing scheme will delete all the data in your phonebook and reset the PIN to null for all user accounts.

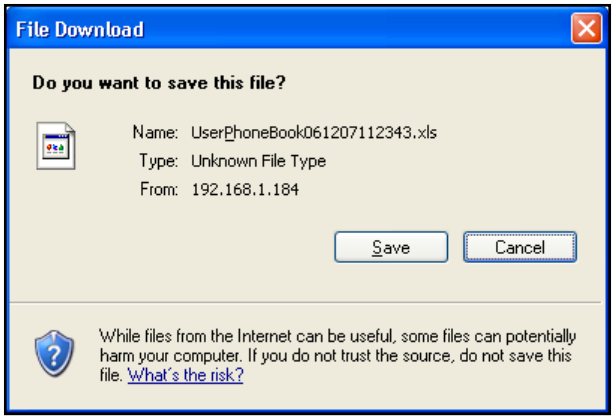
1. After you modify the Dialing Scheme, a message window will appear to remind you to backup the data. Click **OK** to continue, or **Cancel** to close the window.


Microsoft Internet Explorer
This operation will erase all your current phonebook entries.
It is strongly recommended you backup your information before this operation.
Do you want to continue this operation ?
If yes, click OK to continue. Otherwise, click Cancel.
OK
Cancel

2. After you click OK, a message window will appear to ask whether you would like to backup the User accounts and Phonebook. Click **OK** to backup or click **Cancel** to close the window (If you click **Cancel**, all the Phonebook data will be deleted and cannot be restored.)



3. After you click **OK**, the selected data will be backed up to your local disk.

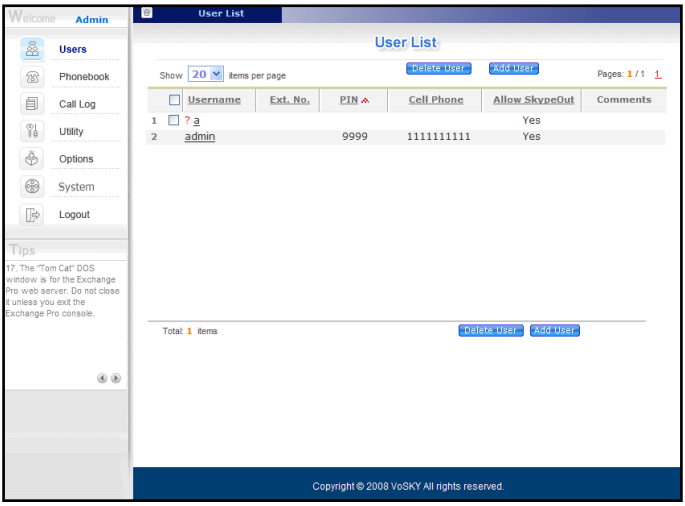

File Download
Do you want to save this file?
Name: UserPhoneBook061207112343.xls
Type: Unknown File Type
From: 192.168.1.184
Save
Cancel
While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not save this file. What's the risk?

Note: The User accounts and phonebook will be backed up as an Excel file (.xls). You can open the file in Excel and enter the PIN and speed-dial keys in accordance with the new format.

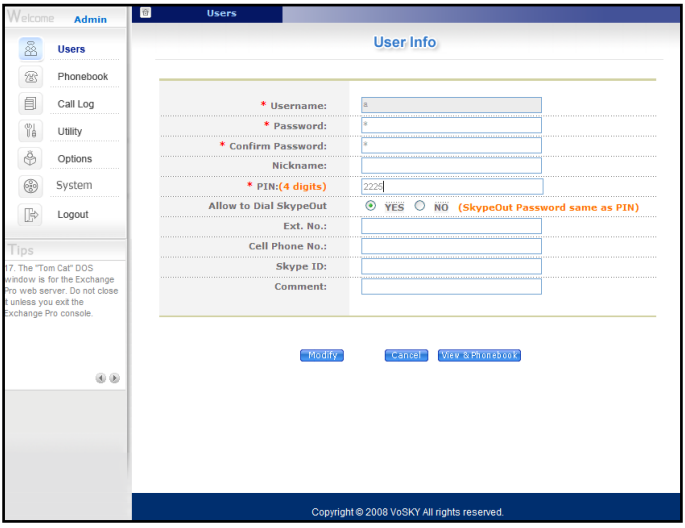
- Enter the PIN and speed-dial key in the Excel file.
- In the User accounts file, the column “OldEmployeeNo” is the PIN with the old dialing scheme.
- Enter a new PIN to the column “EmployeeNo” in the User accounts file.
- Enter a new PIN to the column EmployeeNo in the Phonebook file.
- Enter a new speed-dial key to the column “SpeedDial” in the Phonebook file.

To restore the backup files to the Exchange Pro VIT1/E1 database, refer to Section 3.3.1 – “Restore.”

4. After modifying the Dialing Scheme, the column PIN in the User accounts file will be reset and these users cannot login to the Exchange Pro VIT1/E1 Web Console or manage its Private Contacts until the administrator reconfigures the PIN for them. In the “User List” screen, these PINs will show a red question mark next to the name, which shows the users who are currently in an invalid state.

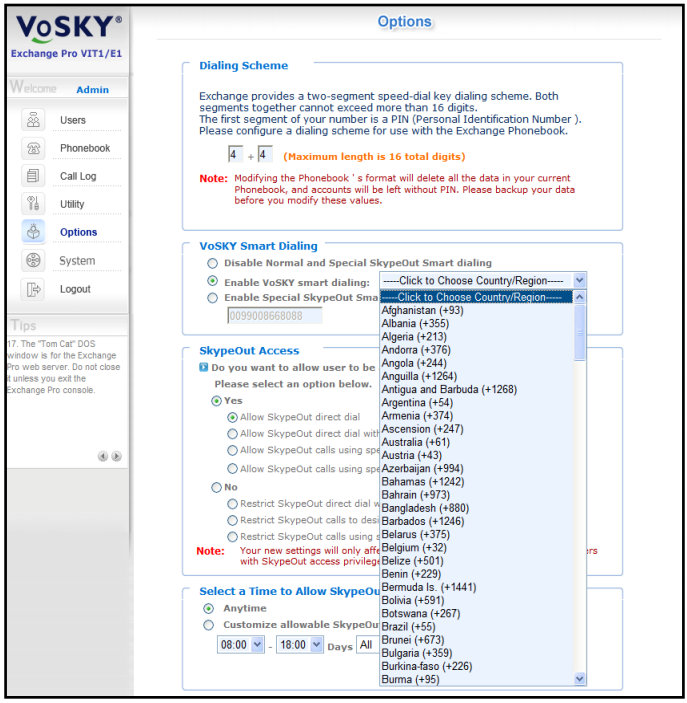


5. The administrator must reconfigure the PIN with the new dialing scheme, otherwise these users will be invalid. Click the corresponding username in the User List page to enter a new PIN. Click **Save** to save the modification as shown below (new PIN = 4):



3.2.5.2 Enabling VoSKY Smart Dialing

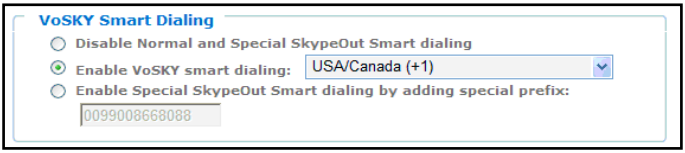
The new VoSKY Smart Dialing feature is added in the “Option” screen. With VoSKY Smart Dialing you no longer need to dial the country code for certain SkypeOut calls. The VoSKY Smart Dialing feature will enable you to choose a default country code, and should be set to the country you make the majority of your SkypeOut calls to. These calls can be dialed just like you would dial a domestic call. You don’t need to dial the country code, just the area code and the phone number. To use this feature, go to Options, select “Enable VoSKY smart dialing,” and pick the country/region from the pull-down list on the right.



After you set up the default country code, to make an international call using VoSKY smart dialing, dial the following: **0 + area code + phone number** or **0 + area code + cell phone number** (0 represents the country code on the Exchange).

For all other international SkypeOut calls, dial the following: **00 + country code + area code + phone number** or **00 + country code + cell phone number**.

The following shows an example of setting Country as “USA”:


VoSKY Smart Dialing
Disable Normal and Special SkypeOut Smart dialing
Enable VoSKY smart dialing:
USA/Canada (+1)
Enable Special SkypeOut Smart dialing by adding special prefix:
0099008668088

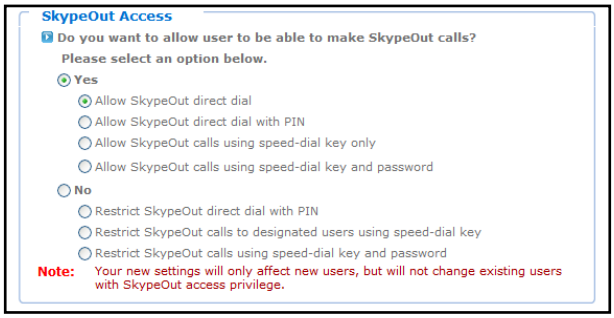
Enable the **VoSKY Smart Dialing**, select **USA/Canada +1** from the drop-down list.

1. To make a SkypeOut call to a San Francisco area phone number (area code 415), dial: **0 + area code + phone number** or **0 + area code + cell phone number** (Exchange Pro VIT1/E1 will replace “0” by “+1”).

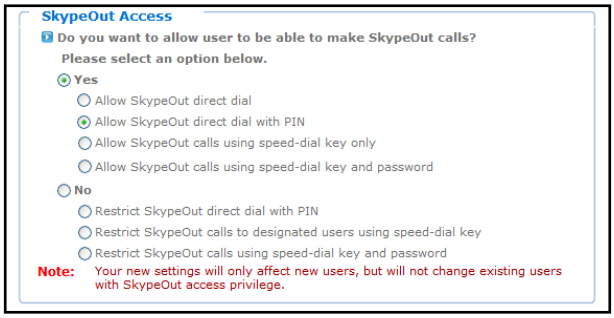
2. To make a SkypeOut call to Shanghai in China (area code 21, country code 86), dial: **00 + country code + area code + phone number** or **00 + country code + cell phone number**.

We recommend selecting one of the following options when you use VoSKY Smart Dialing:

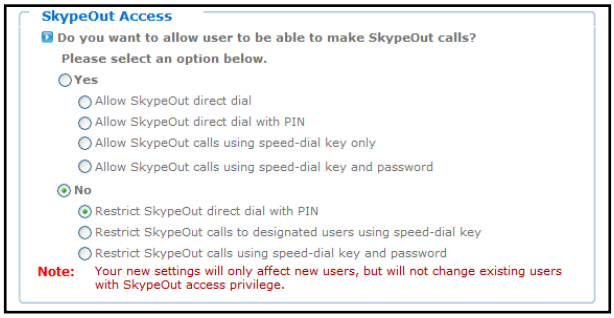
- Yes: Allow SkypeOut direct dial


SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls?
Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

- Yes: Allow SkypeOut direct dial with PIN


SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls?
Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

- No: Restrict SkypeOut direct dial with PIN


SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls?
Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

3.2.5.3 Enabling Special SkypeOut Service

This option is for special SkypeOut service use. For more details, please consult the reseller in your region.

3.2.5.4 Modifying SkypeOut Settings and Call Availability

Refer to Section 3.1.2.1 – “SkypeOut Settings and Section 3.1.2.2 - SkypeOut Call Availability.”

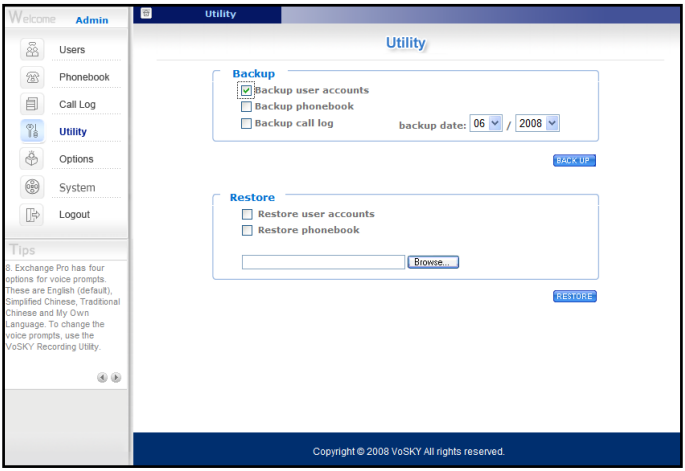
3.3 Backup and Restore

3.3.1 Backup

The administrator can back up the data in the User accounts, phonebook, IntraCompany, and call log. Select the data you want to backup and then click **BACK UP**. Choose a destination to save the file.

It is recommended that you regularly back up all your accounts and phonebook data to a secure location.

Note: The User accounts, phonebook, and Intracompany will be backed up as an Excel file (.xls). The call log will be backed up as an Access file (.mdb).

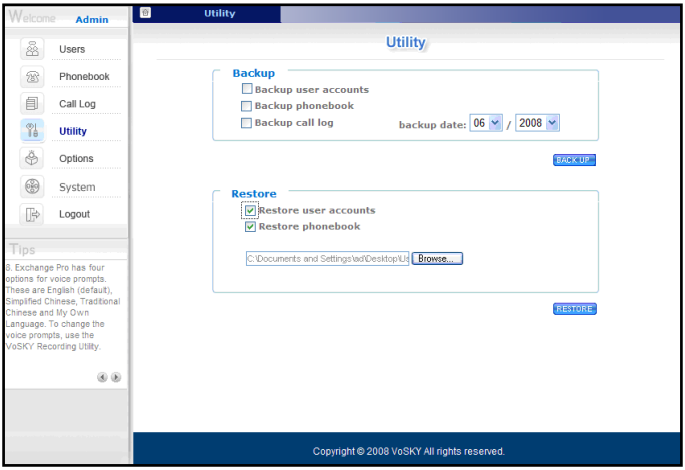


3.3.2 Restore

The administrator can restore data from the backup files. Select the data you want to restore and click **Browse** to select the corresponding file from your PC. Click **RESTORE** to restore the data.

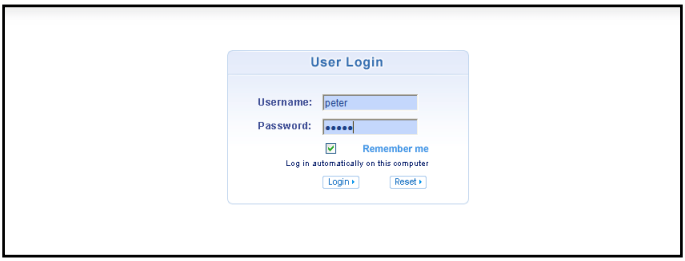
Note: Once you have modified the Dialing Scheme, if you want to run a restore procedure, make sure the format of Speed-dial key

in phonebook and PIN for your user accounts is in accordance with that of current Dialing Scheme. If not, restoration of the data may not be successful.



3.4 Normal User

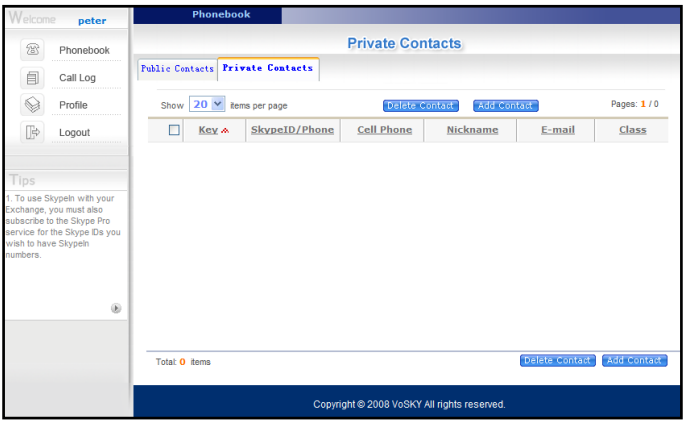
As a normal user, you can enter the IP address of Exchange Pro VIT1/E1 Server in the Address bar of a web browser. (For example: If the IP address of Exchange Pro VIT1/E1 Server is 192.168.1.126, enter http://192.168.1.126:8080 in the Address bar.) In the login page, enter your Username and Password to login to the Exchange Pro VIT1/E1 Web Console.



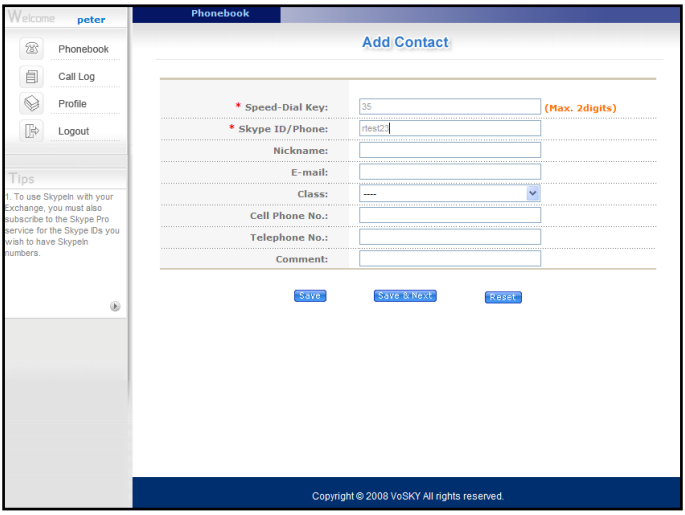
The Public Contacts screen appears after you login to the Exchange Pro VIT1/E1 Web Console. You can view all the Public Contacts but cannot modify them.

3.4.1 Adding Private Contact

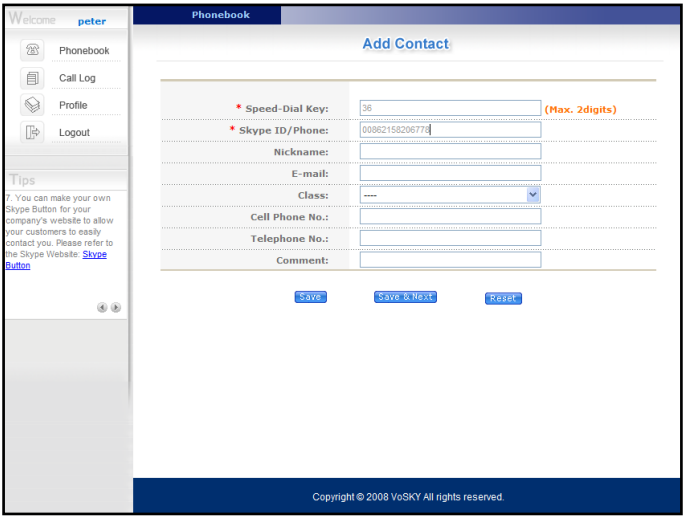
Click **Private Contacts** in the Public Contacts screen to open the **Private Contacts** page. Click **Add Contact** as shown below:



Add a private contact in the Add Contact screen. The “Speed-Dial Key” and “Skype ID/Phone” fields must have an entry. In the Skype ID/Phone field, you can enter a Skype ID or a telephone number using the SkypeOut format. The rest of the fields are optional.



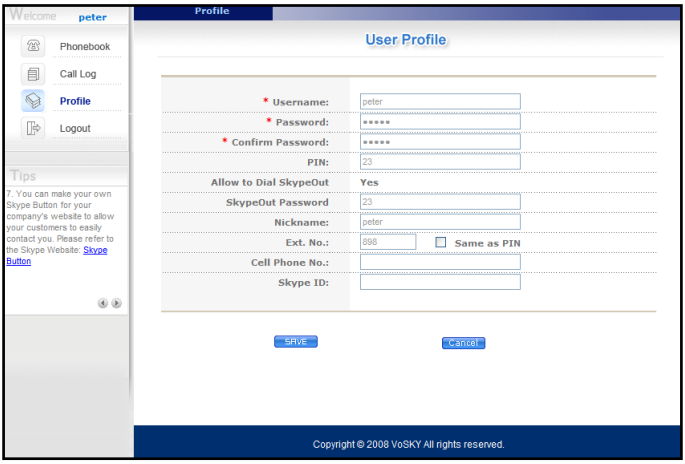
Note: If you want to add a telephone number as a contact, enter it using the SkypeOut format in the Skype ID/Phone field: **00 + country code + area code + telephone number** or **00 + country code + cell phone number**.



When finished, click **Save** to save the new contact. Click **Save & Next** to save the new contact and add an additional new contact.

3.4.2 Modifying a User Profile

Click **Profile** on the left to generate the “User Profile” screen. The Username and PIN fields are read-only; the others are optional entries. The default SkypeOut password is the same as PIN. When finished, click **Save** to save the new settings.



4. Dialing Scheme

After finishing the above settings, you can make calls with Exchange Pro VIT1/E1. This section outlines, and provides examples, of all the different dialing schemes available with the Exchange Pro VIT1/E1.

4.1 Making Skype Calls

Before you make a Skype call, get the hunting group number from the administrator.

4.1.1 Dialing the speed-dial key under public contact

Scheme: Hunting group number ▸ speed-dial key

1. Pick up your office phone and dial the hunting group number.
2. You will hear a dial tone.
3. Dial the **speed-dial key** of the public contact.

Example:

a. The speed dial key in the Public Contacts is “23”, hunting group number is “9”.

b. Pick up your handset, dial “9 ▸ 23#”.

4.1.2 Dialing the speed-dial key under private contact

Scheme: Hunting group number ▸ PIN + speed-dial key

1. Pick up your office phone and dial the **hunting group number**.
2. You will hear a dial tone.
3. Dial the **PIN**, then **speed-dial key** of the private contact you would like to reach.

Example:

a. Your PIN is assigned “12”, the speed dial key in the Private Contacts is “23”, hunting group number is “9”.

b. Pick up your handset, dial “9 ▸ 12- 23”.

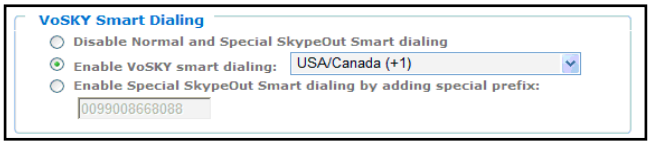
4.2 Making SkypeOut Calls

There are two ways to make SkypeOut calls, VoSKY smart dialing and regular dialing. Users only can make SkypeOut calls during the time when they are allowed to call (as configured by the administrator).

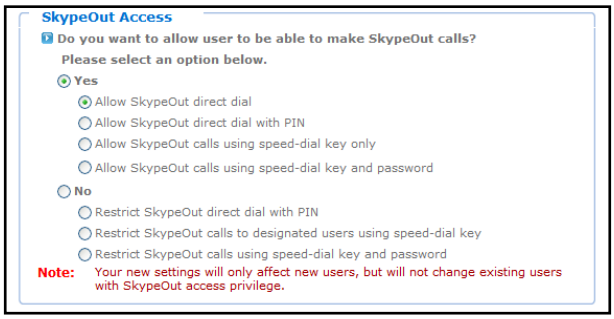
Warning: Before making a SkypeOut call, make sure the administrator has purchased Skype credit for all of Skype accounts on Exchange Pro VIT1/E1.

4.2.1 VoSKY Smart Dialing

The Exchange Pro VIT1/E1 is equipped with a VoSKY Smart Dialing feature for SkypeOut calls. Prior to using this feature, make sure VoSKY Smart Dialing is enabled and you have selected a default country/region as shown below:


VoSKY Smart Dialing
Disable Normal and Special SkypeOut Smart dialing
Enable VoSKY smart dialing:
USA/Canada (+1)
Enable Special SkypeOut Smart dialing by adding special prefix:
0099008668088

Additionally, make sure to check the options “Allow SkypeOut direct dial” and “Allow SkypeOut direct dial with PIN” under **Yes,** and the option “Allow SkypeOut direct dial with PIN” under **No** allow users to dial SkypeOut by dialing a SkypeOut number as shown below:


SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls?
Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note:
Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.

You are now ready to use VoSKY Smart Dialing for SkypeOut calls. When you want to dial the designated country, dial the following: **0 + area code + phone number/cell phone number** (0 represents the country code on the Exchange). For all other international SkypeOut calls, dial the following: **00 + country code + area code + phone number/cell phone number**.

The following shows how to use VoSKY smart dialing in USA:

1. Dialing a SkypeOut number using VoSKY Smart Dialing:
    i. Set VoSKY Smart Dialing to USA (default country is USA)
    i. The destination is New York (area code 212), phone number is 54xxx10, and the hunting group number is 9
    iii. Pick up your handset and dial 9 ▸ 0 - 212 - 54xxx10

2. Dialing all other international SkypeOut numbers:
    i. Set VoSKY Smart Dialing to USA (default country is USA)
    i. The destination is China (country code 86) Shanghai

(area code 21), phone number is 58xxx210, and the hunting group number is 9

iii. Pick up your handset, and dial
9 ▸ 00 - 86 - 21- 58xxx210

If you enable VoSKY Smart Dialing and select the country/region as USA, refer to the examples below when choosing your preferred SkypeOut Access policy:

a. Allow SkypeOut direct dial

SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls? Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.
1 2 3 4 5
Next

i. You want to call New York (area code 212) to the phone number 54xxx10

ii. The hunting group number is 9

iii. Pick up your handset, dial 9 ▸ 0 - 212 - 54xxx10

b. Allow SkypeOut direct dial with PIN

SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls? Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.
1 2 3 4 5
Next

i. You want to call New York (area code is 212) to the phone number 54xxx10

ii. Your assigned PIN 12 and you are allowed to dial SkypeOut

iii. The hunting group number is 9

iv. Pick up your handset and dial 9 ▸ 12 - 0 - 212 - 54xxx10

c. Restrict SkypeOut direct dial with PIN

SkypeOut Access
Do you want to allow user to be able to make SkypeOut calls? Please select an option below.
Yes
Allow SkypeOut direct dial
Allow SkypeOut direct dial with PIN
Allow SkypeOut calls using speed-dial key only
Allow SkypeOut calls using speed-dial key and password
No
Restrict SkypeOut direct dial with PIN
Restrict SkypeOut calls to designated users using speed-dial key
Restrict SkypeOut calls using speed-dial key and password
Note: Your new settings will only affect new users, but will not change existing users with SkypeOut access privilege.
1 2 3 4 5
Next

i. You want to call New York (area code 212) to the phone number 54xxx10

ii. Your assigned PIN is 12 and you are allowed to dial SkypeOut

iii. The hunting group number is 9

iv. Pick up your handset and dial 9 ▸ 12 - 0 - 212 - 54xxx10

4.2.1.1 Special SkypeOut Smart Dialing

This option is for special SkypeOut service use. For more details, please consult the reseller in your region.

4.2.2 Regular Dialing

If you disable VoSKY Smart Dialing, refer to the examples below when choosing your preferred Skype Access policy:

	SkypeOut number directly	PIN + SkypeOut number	PIN + Private Speed-dial key	PIN + Private Speed-dial key + * + password	Public Speed-Dial key
Allow SkypeOut direct dial	V	X	V	V	V
Allow SkypeOut direct dial with PIN	X	V	V	V	V
Allow SkypeOut calls using speed-dial key only	X	X	V	V	V
Allow SkypeOut calls using speed-dial key and password	X	X	X	V	V
Restrict SkypeOut direct dial with PIN	X	V	V	V	V
Restrict SkypeOut calls to designated users using speed-dial key	X	X	V	V	V
Restrict SkypeOut calls using speed-dial key and password	X	X	X	V	V

4.2.2.1 SkypeOut Direct Dial

Scheme: Hunting group number ▸ SkypeOut number

1. Pick up your office phone and dial the **hunting group number**.
2. You will hear a dial tone or voice greeting.
3. Dial the **SkypeOut number** (00 + country code + area code + phone number/cell phone number).

Example:

i. The hunting group number is 9

ii. You want to call New York (area code 212) to the phone number 54xxx10

iii. Pick up your handset and dial 9 ▸ 00 - 1 - 212 - 54xxx10

4.2.2.2 SkypeOut Direct Dial with PIN

Scheme: Hunting group number ▸ PIN + SkypeOut number

1. Pick up your office phone and dial the **hunting group number**.
2. You will hear a dial tone or voice greeting.
3. Dial the **PIN**, then **SkypeOut number** (00 + country code + area code + phone number).

Example:

i. The hunting group number is 9, your assigned PIN is 12

ii. You want to call New York (area code 212) to the phone number 54xxx10

iii. Pick up your handset and dial 9 ▸ 12 - 00 - 1 - 212 - 54xxx10

4.2.2.3 SkypeOut Call Using Speed-Dial Key

Scheme: Hunting group number ▸ public speed-dial key/ PIN + private speed-dial key

1. Pick up your office phone and dial the **hunting group number**.
2. You will hear a dial tone or voice greeting.
3. For the speed dial keys in Public Contacts, dial the **speed dial key**. For the speed dial keys in Private Contacts, dial **PIN + speed dial key**.

Example:

1. **Dialing the speed-dial key under public contact**

   i. The hunting group number is 9

   ii. The speed dial key attached with a SkypeOut number "00121254xxx10" in the Public Contacts is "23"

   iii. Pick up your handset and dial 9 ▸ 23

2. **Dialing the speed-dial key under private contact**

   i. The hunting group number is 9, your assigned PIN is 12

   ii. The speed dial key attached with a SkypeOut number "00121254xxx10" in the Private Contacts is "55",

   iii. Pick up your handset and dial 9 ▸ 12 - 55

4.2.2.4 SkypeOut Call Using Speed-Dial Key and Password

Scheme: Hunting group number ▸ public speed-dial key/ PIN + private speed-dial key + * + password

1. Pick up your office phone and dial the hunting group number.
2. You will hear a dial tone or voice greeting.
3. For the speed dial keys in Public Contacts, dial the speed

dial key. For the speed dial keys in Private Contacts, dial PIN + speed dial key +* +password.

Example:

1. **Dialing the speed-dial key under public contact**

   i. The hunting group number is 9

   ii. The speed dial key attached with a SkypeOut number “00121254xxx10” in the Public Contacts is “23”

   iii. Pick up your handset and dial 9 ▸ 23

2. **Dialing the speed-dial key under private contact**

   i. The hunting group number is 9, your assigned PIN is 12

   ii. Your password is 21

   iii. The speed dial key attached with a SkypeOut number “00121254xxx10” in the Private Contacts is “55”

   iv. Pick up your handset and dial 9 ▸ 12 - 55 - * - 21

4.3 Receiving Skype Calls

Incoming Skype calls to your office phone extension through Exchange Pro VIT1/E1 will ring the phone normally, just like any other type of call. Just pick up the phone to answer the call and begin the conversation.

4.4 Allowing Skype Users to Call Exchange Pro VIT1/E1

Skype users can call Exchange Pro VIT1/E1 from Skype and then dial an office extension through Exchange Pro VIT1/E1. To do this, follow the steps below:

1. Inform the Skype User of the Exchange Pro VIT1/E1 Company Skype ID.

2. If you use Skype 2.5, when you dial the Company SkypeID and it is busy, Exchange Pro VIT1/E1 will assign a free line to callback and you simply answer this call. If you use Skype 3.0 or above, when you dial the Company SkypeID and it is busy, Exchange Pro VIT1/E1 will transfer the call to a free line automatically. If all lines of Exchange Pro VIT1/E1 are busy, the call will be dropped and you will receive a Skype IM.
3. If the line is not busy, Exchange Pro VIT1/E1 will make a connection with the caller. After the voice prompt, the caller needs to input callee's extension number using the Skype dial pad.

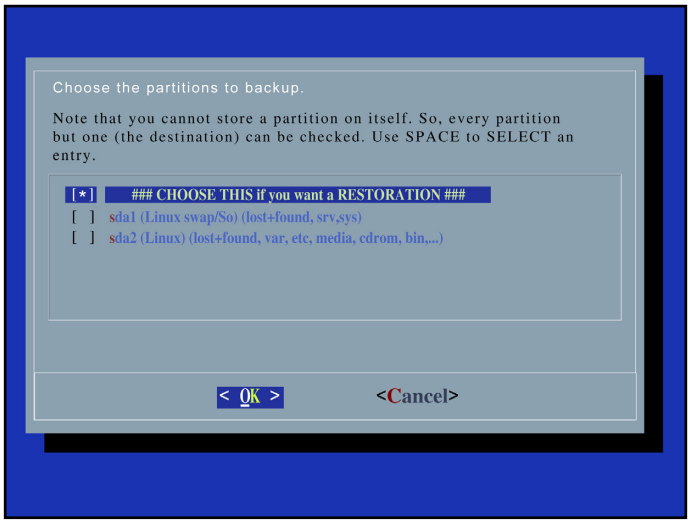
5. Disaster Recovery

Disaster Recovery restores your hard drive to the operating state it was in when you purchased the Exchange Pro VIT1/E1. Recovery permanently deletes all data on the hard drive and removes any applications installed after you received the computer. Use Recovery only if System Restore did not resolve your operating system problem.

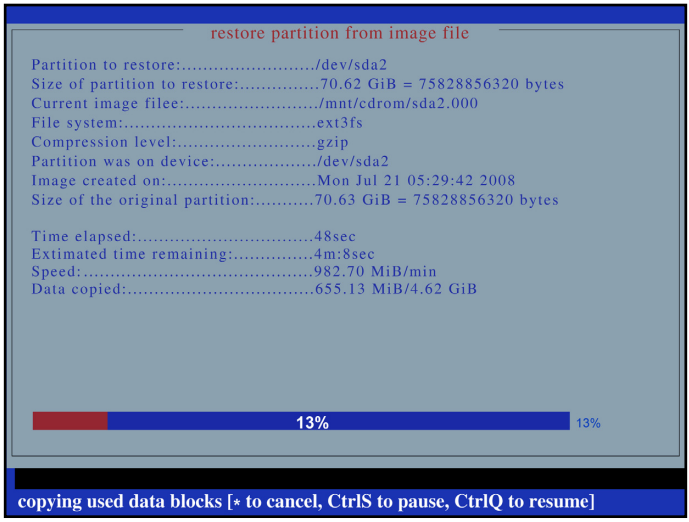
☞ **Note:** Using Recovery permanently deletes all data on the hard drive and removes any application programs or drivers installed after you received your computer. If possible, back up the data before using Recovery.

To use Recovery:

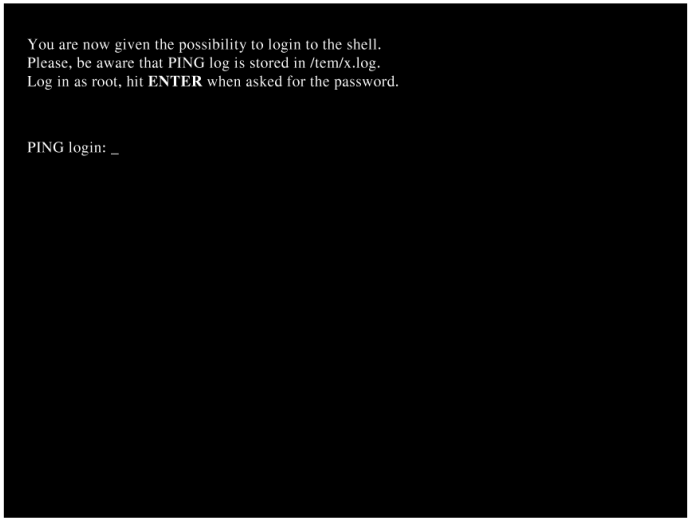
1. Insert the Recovery DVD
2. Restart the computer.
3. The System Restore screen appears, use arrow keys to move to "**###CHOOSE THIS if you want a RESTORATION ###**", press <Space> key to select, then press <Enter> key to continue.


Choose the partitions to backup.
Note that you cannot store a partition on itself. So, every partition but one (the destination) can be checked. Use SPACE to SELECT an entry.
[*] ### CHOOSE THIS if you want a RESTORATION ###
[ ] sda1 (Linux swap/So) (lost+found, srv,sys)
[ ] sda2 (Linux) (lost+found, var, etc, media, cdrom, bin,...)
< OK >
<Cancel>

4. The restore process takes approximately 5-10 minutes.


restore partition from image file
Partition to restore:...../dev/sda2
Size of partition to restore:.....70.62 GiB = 75828856320 bytes
Current image filee:...../mnt/cdrom/sda2.000
File system:.....ext3fs
Compression level:.....gzip
Partition was on device:...../dev/sda2
Image created on:.....Mon Jul 21 05:29:42 2008
Size of the original partition:.....70.63 GiB = 75828856320 bytes
Time elapsed:.....48sec
Extimated time remaining:.....4m:8sec
Speed:.....982.70 MiB/min
Data copied:.....655.13 MiB/4.62 GiB
13%
13%
copying used data blocks [* to cancel, CtrlS to pause, CtrlQ to resume]

5. When the screen below appears, pressing the <Ctrl>, <Alt>, and <Delete> keys to restart the system.


You are now given the possibility to login to the shell.
Please, be aware that PING log is stored in /tem/x.log.
Log in as root, hit ENTER when asked for the password.
PING login: _

6. The computer is restored to its original operating state, the screens that appear are the same ones that appeared the first time the computer was turned on.

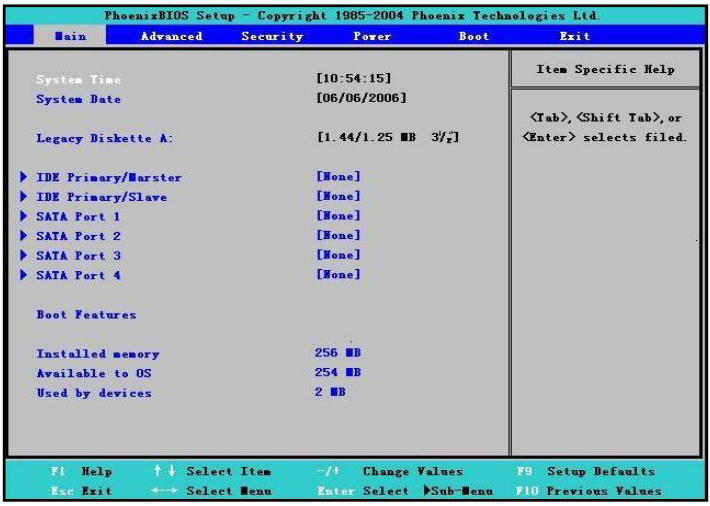
Appendix A Setting up the BIOS

Power on the computer and the system will start the POST (Power On Self Test) process. When the system prompts you, press <F2> key to enter Setup.

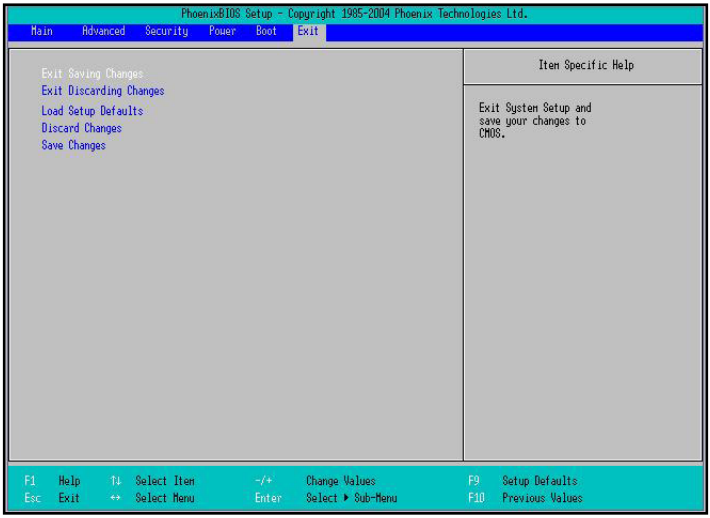
If the message disappears before you respond and you still wish to enter Setup, restart the system by turning it OFF and On or pressing the RESET button. You may also restart the system by simultaneously pressing <Ctrl>, <Alt>, and <Delete> keys.

Key	Function
<F1> or <Alt-H>	General Help window
<Esc>	Exit this menu
↔ arrow keys	Select a different menu
↑ or ↓ arrow keys	Move cursor up and down
<Home> or <End>	Move cursor to top or bottom of window
<PgUp> or <PgDn>	Move cursor to next or previous page
<F5> or <->	Select the previous value for the field
<F6> or <+>or <Space>	Select the next value for the field
<F9>	Load the default configuration values for this menu
<F10>	Save and exit
<Enter>	Execute command or enter submenu

Once you enter PhoenixBIOS Setup utility, the Main Menu will appear on the screen. Use the arrow keys to move among the items and menus, and make changes to the settings.

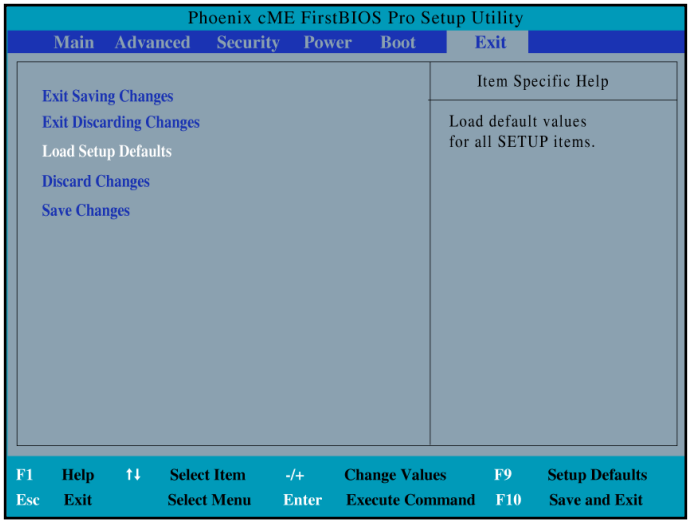


Using Arrow keys to move to **Exit** menu. Note that <Esc> does not exit this menu. You must select one of the items from the menu or menu bar to exit.

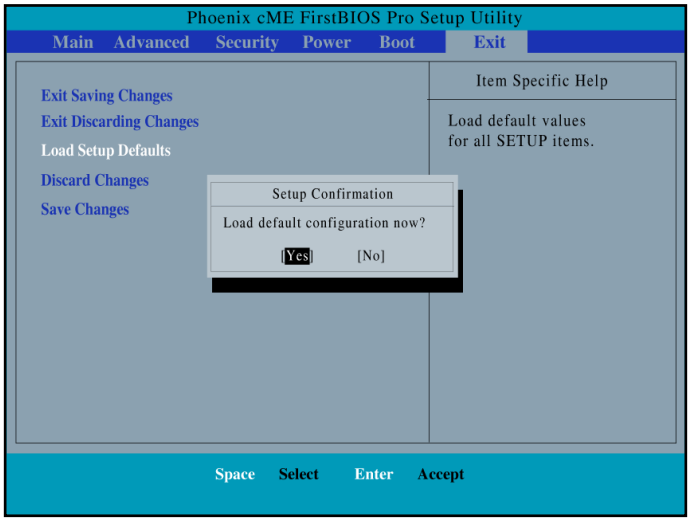


Load Setup Defaults

The option allows users to restore all of the BIOS settings to the Optimal Defaults. The Setup Defaults are the default values set by the mainboard manufacturer specifically for the optimized performance of the mainboard.


Phoenix cME FirstBIOS Pro Setup Utility
Main Advanced Security Power Boot Exit
Exit Saving Changes
Exit Discarding Changes
Load Setup Defaults
Discard Changes
Save Changes
Item Specific Help
Load default values for all SETUP items.
F1 Help ↑↓ Select Item -/+ Change Values F9 Setup Defaults
Esc Exit Select Menu Enter Execute Command F10 Save and Exit

When you select **Load Setup Defaults**, the message below will appear on the screen:

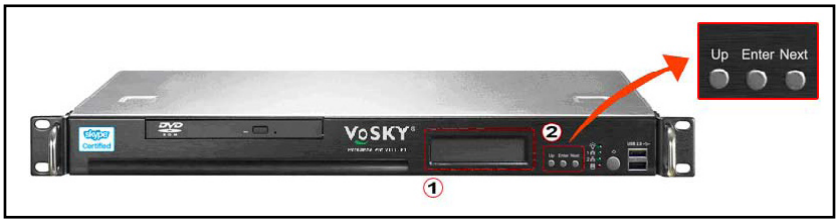


Select **Yes** and press Enter to load to the default settings.

Appendix B LCD Panel Operations

The Exchange Pro VIT1/E1 comes equipped with a LCD control panel. No open computer operating system can get access to the computer and the Exchange Pro VIT1/E1 ports' status as long as the three buttons have been pressed simultaneously.

Using LCD Control Panel



1. LCD

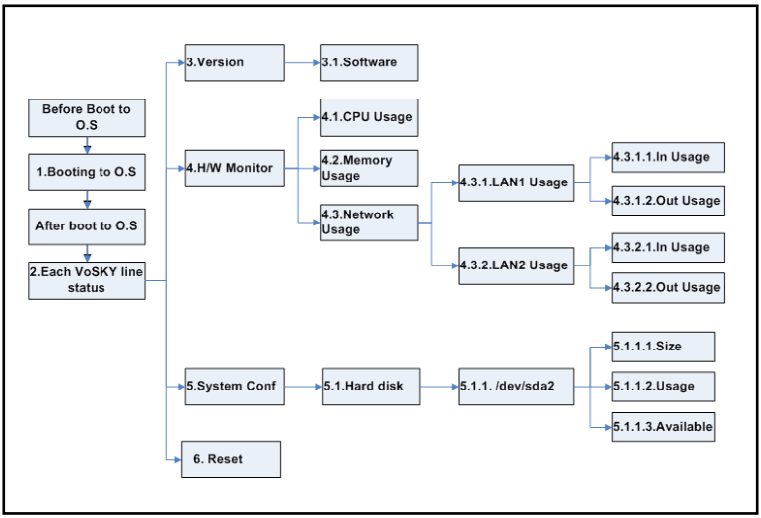
2. Control Panel

   - Up: Go to the previous selection.
   - Enter: Execute the command.
   - Next: Go to the next selection.

The following table explains other LCD controls.

Turn on the backlight	Press any button
Choose a menu item	Press Enter
Go to the previous selection	Press Up
Go to the next selection	Press Next
View the details of the current status	Press Enter

LCD Process Flow Chart:



1. Booting

- Before booting to the operating system, the status of BIOS is shown.
- During operating system boot:

Function	Description	Parameter
Booting	Booting to operating system	None

Example:

				V	o	S	K	Y				
			B	O	O	T	I	N	G			

2. Line Status

- After operating system boot up, the following information will display.

W	e	l	c	o	m	e		t	o		V	o	S	K	Y

- After pressing **Next** button, VoSKY line status is displayed.

Function	Description	Parameter
Line Information	Showing each line's status of Exchange Pro VIT1/E1	######## 1. "O" means the line work well. 2. "X" means the line can not work. 3. "B" means the line is busy. 4. ">" means next. 5. "!" means more information

Example:

			1	2	3	4	5	6	7	8	9	T		1	/	3
			O	O	B	O	X	B	O	O	O	O				>

			1	2	3	4	5	6	7	8	9	T		2	/	3
			O	O	B	O	X	B	O	O	O	O		^		>

			1	2	3	4	5	6	7	8	9	T		3	/	3
			O	O	B	O	X	B	O	O	O	O		^		>

If users don't press the **Up**, **Enter**, **Next** buttons simultaneously within 10 seconds, this information will remain displayed.

3. Version

Example:

V	e	r	s	i	o	n							1	/	3
													^	!	>

3.1 Software

Function	Description	Parameter
Software version:	Showing the software version of Exchange Pro VIT1/E1	V #.#.#.# 1. "# "means the version number 2. "^" means to go to the previous selection 3. ">" means to go to the next selection

Example:

		S	o	f	t	w	a	r	e				1	/	1
w	2	.	0	.	0	.	1						^		>

4. H/W Monitor

Example:

	H	/	W		M	o	n	i	t	o	r		2	/	3
													^	!	>

4.1 CPU Usage

Function	Description	Parameter
CPU Usage	The CPU usage of the system.	### % 1. "# "means the CPU usage 2. "^" means to go to the previous selection 3. ">" means to go to the next selection 4. "!" means more information

Example:

		C	P	U		U	s	a	g	e			1	/	4
				1	0	0	%						^		>

4.2 CPU Temp

Function	Description	Parameter
CPU Temperature	The CPU temperature of the system	### C 1. "# "means the CPU temperature 2. "^" means to go to the previous selection 3. ">" means to go to the next selection

Example:

			C	P	U		t	e	m	p			2	/	4
						8	5	C						^	>

4.3 Memory Usage

Function	Description	Parameter
Memory Usage	The memory usage of the system.	### % 1. "# "means the CPU temperature 2. "^" means to go to the previous selection 3. ">" means to go to the next selection

Example:

M	e	m	o	r	y		U	s	a	g	e		2	/	3
						7	0	%						^	>

4.4 Network Usage

Function	Description	Parameter
Network Usage	The network loading of the Network Interface Card (NIC)	### KB 1. "#" means the loading of the NIC 2. "^" means to go to the previous selection 3. ">" means to go to the next selection 4. "!" means more information

Example:

N	e	t	w	o	r	k		U	s	a	g	e	4	/	4
													^	!	>

Example: (The usage of NIC1)

	L	A	N	1		U	s	a	g	e			1	/	2
			0	.	1	6	K	B					^	!	>

Example: (The usage of NIC2)

	L	A	N	2		U	s	a	g	e			2	/	2
			0	.	1	8	K	B					^	!	>

Example: (The received data size)

	I	n		U	s	a	g	e					1	/	2
		(	I	n	)	#	#	#	K	B			^		>

Example: (The transmitted data size)

	O	u	t		U	s	a	g	e				2	/	2
		(	O	u	t	)	#	#	#	K	B		^		>

5. System Conf

Function	Description	Parameter
Displays the information of the local hard disk	Displays the information of the local hard disk (available size, used size and total size)	### 1. “#” means a number. 2. “^” means to go to the previous selection. 3. “>” means to go to the next selection.

Local Hard Disk Information:

	H	a	r	d		d	i	s	k	:		1	/	1
				I	n	f	o					^	!	

Example:

D	i	s	k		C	:						1	/	1
		2	0	4	8	M	B					^		>

Size (The total size of the local hard disk)

S	i	z	e	:								1	/	1
		2	0	4	8	M	B					^		>

Usage (The used size of the local hard disk)

U	s	a	g	e	:							1	/	1
		1	0	2	4	M	B					^		>

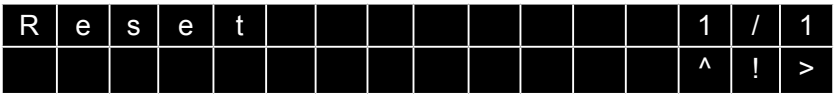
Available (The available size of the local hard disk)

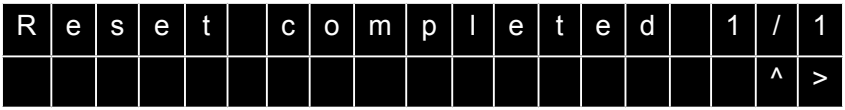
A	v	a	i	l	a	b	l	e	:			1	/	1
		1	0	2	4	M	B					^		>

6. Reset

Function	Description	Parameter
Reset the password of administrator in Exchange Pro VIT1/E1 Web Console	Reset the password of administrator in Exchange Pro VIT1/E1 Web Console to “password”	1. “!” means more information 2. “^” means to go to the previous selection. 3. “>” means to go to the next selection.

Example:





Appendix C Glossary of Terms

The following is a list of terms in this document:

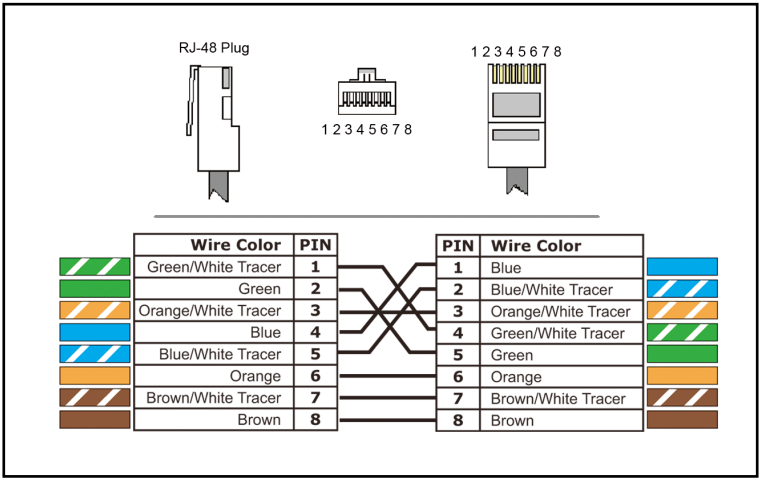
Term	Description
Administrator	The person in an organization who is responsible for activities such as setting up new hardware and software, allocating user, setting up phonebook, performing backups, monitoring ports' status, and managing Exchange Pro VIT1/E1.
Administrator account	A user name and password that has administrator-level privileges to login the Exchange Pro VIT1/E1 Web Console. Default user name-admin, default password-password.
Default	A value that pre-populates a field in the Exchange Pro VIT1/E1 Console. A default value represents a logical choice and is provided for convenience. Use default values as pre-set by VoSKY or customize them as required.
Local	The term "local" refers to a computer on which you are directly installing or running Exchange Pro VIT1/E1, as opposed to a "remote" computer which is physically distant and/or connected to your computer through a network.
Busy Tone	Low-pitched tone interrupted sixty times per minute. This tone indicates that the called station is off-hook or busy.
Dial tone	A constant high-pitched tone indicating that the system is ready to process your call. Users typically listen for this tone before dialing phone numbers.
DTMF (Dual Tone Multi-Frequency)	Also known as **Touch Tone** or **Tone Dialing**, is used for telephone signaling over the line in the voice frequency band to the call switching center. Today DTMF is used for most call setup between telephone set and the telephone switch.
Off-hook	The handset is removed from the cradle or you are in conversation.
On-hook	The handset is in the cradle.

PBX (Private Branch Exchange)	A private telephone network used within an enterprise. Users of the PBX share a certain number of outside lines for making telephone calls external to the PBX.
VoIP (Voice over Internet Protocol)	A category of hardware and software that enables people to use the Internet as the transmission medium for telephone calls by sending voice data in packets using IP rather than by traditional circuit transmission of the PSTN.
IP address	An IP address (Internet Protocol address) is a unique address that certain electronic devices use in order to identify and communicate with each other on a computer network utilizing the Internet Protocol standard.
Public Contact	A contact list created and managed by the administrator. All users can view and call contacts entered in this list.
Private Contact	Created and managed by a normal user. Only the user can make a call to his/her private contact.
VoSKY Smart Dialing	With VoSKY Smart Dialing, the user can make SkypeOut calls without dialing the country code if he has set it as default.
Channel	A generic term for an individual data stream. Service providers can use multiplexing techniques to transmit multiple channels over a common medium.
E1	The European equivalent of North American T1, transmits data at 2.048 Mbps, up to 32 voice channels (DS0s).
T1	A dedicated digital carrier facility which transmits up to 24 voice channels (DS0s) and transmits data at 1.544 Mbps. Commonly used to carry traffic to and from private business network and ISPs.
Linux	A robust, feature-packed open source operating system based on UNIX that remains freely available on the internet. It boasts dependability and offers a wide range of compatibility with hardware and software.
Timing	A transmitted data rate clock for use by an external data source.
Framing	It is used to carry addressed signaling messages for individual trunk circuits and/or database-related services between signaling points in the CCS network.

Coding: ami	Line coding technique used in T-1 transmission systems. AMI generates alternately inverted positive and negative pulses to represent binary ones, with each such pulse being of the same amplitude, or signal strength.
Coding: hdb3	High Density Bipolar 3. Specified in the ITU-T G.703 recommendation, HDB3 is a line coding technique used in E-1 circuits. HDB3 supports clear channel communications of 64 Kbps per channel.
CRC4 enabled	CRC-4 (Cyclic Redundancy Check 4) is a form of cyclic redundancy checking (a method of checking for errors in transmitted data) that is used on E-1 trunk lines.
B-channels: 1-15, 17-31	A "bearer" channel is a fundamental component of ISDN interfaces. It carries 64,000 bits per seconds in both directions, is circuit switched and is able to carry either voice or data.
D-channels: 16	In an ISDN interface, the "D" channel (the Data channel) is used to carry control signals and customer call data in a packet switched mode.
Swithtype: euroisdn	To specify the central office switch type on the ISDN interface
Signalling: pri_net	Primary Rate Interface is an ISDN term used internationally to mean refer to what essentially is an ISDN version of a T-1 trunk from the customer premises to the edge of the ISDN service provider network.
Receive Wink Timing: 300	A signal sent between two telecommunications devices as part of a handshaking protocol.
Company Skype ID	The Company Skype ID is used as the primary Skype contact to be called by remote Skype users into your Exchange to reach your phone system.

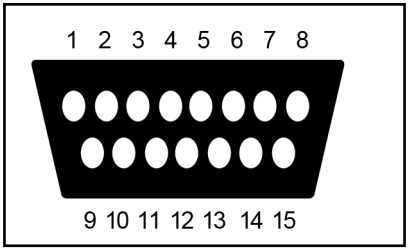
Appendix D How to Make a T1/E1 Cable

The following chart describes the provided RJ-48 connector pinouts:



Wire Color	PIN	PIN	Wire Color
Green/White Tracer	1	1	Blue
Green	2	2	Blue/White Tracer
Orange/White Tracer	3	3	Orange/White Tracer
Blue	4	4	Green/White Tracer
Blue/White Tracer	5	5	Green
Orange	6	6	Orange
Brown/White Tracer	7	7	Brown/White Tracer
Brown	8	8	Brown

The following chart shows the DB-15 connector pinouts:



1. **If the E1/T1 port on your PBX has an RJ-48 connector with straight-through connection, use a standard RJ-45 cable to connect to your PBX.**

RJ-48 Connector to RJ-48 Connector (Straight)

RJ48 Pin (on VIT1/E1)	RJ48 Pin (on your PBX)	Signal
1	1	RX-
2	2	RX+
4	4	RX+
5	5	TX+
3	3	Shield/Return/Ground
6	6	Shield/Return/Ground
7	7	No connect
8	8	No connect

2. If the E1/T1 port on your PBX has an RJ-48 connector with cross-over connection, please use the provided RJ-48 cable to connect to your PBX.

RJ-48 Connector to RJ-48 Connector (Cross-Over)

RJ48 Pin (on VIT1/E1)	RJ48 Pin (on your PBX)	Signal
1	4	RX- <-->TX
2	5	RX+ <-->TX+
4	1	TX- <-->RX-
5	2	TX+ <-->RX+
3	3	Shield/Return/Ground
6	6	Shield/Return/Ground
7	7	No connect
8	8	No connect

3. If the E1/T1 port on your PBX has a DB-15 connector with straight-through connection, please make a RJ-48 to DB-25 cable according to the following steps.

a. Cut the DB-15 cable from the end, and separate pins 1, 3, 9 and 11 according to the sketch map above.

b. Cut the outer sleeve of the RJ-48 cable about 1.5” to 2” from the cross over end, then punch the cut end of the DB-15 cable and RJ-48 cable into the punch block according to the following wire numbering.

RJ-48 Connector to DB-15 Connector (Straight)

RJ48 Pin (on VIT1/E1)	DB-15 Pin (on your PBX)	Signal
1	11	RX- <-->RX-
2	3	RX+ <-->RX+
4	9	TX- <-->TX-
5	1	TX+ <-->TX+

4. If the E1/T1 port on your PBX has a DB-15 connector with cross-over connection, please make a RJ-48 to DB-25 cable according to the following steps.

a. Cut the DB-15 cable from the end, and separate pins 1, 3, 9 and 11 according to the sketch map above.

b. Cut the outer sleeve of the RJ-48 cable about 1.5” to 2” from the cross over end, then punch the cut end of DB-15 cable and RJ-48 cable into the punch block according to the following wire numbering.

RJ-48 Connector to DB-15 Connector (Cross-Overt)

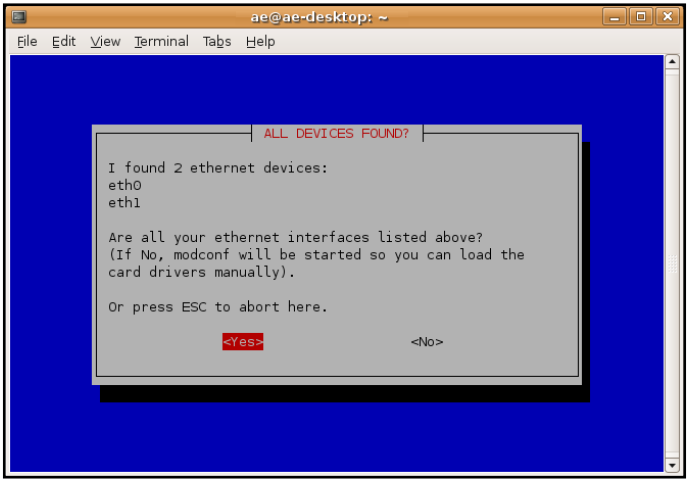
RJ48 Pin (on VIT1/E1)	DB-15 Pin (on your PBX)	Signal
1	9	RX- <-->TX-
2	1	RX+ <-->TX+
4	11	TX- <-->RX-
5	3	TX+ <-->RX+

Note: Any pin not referenced is not connected.

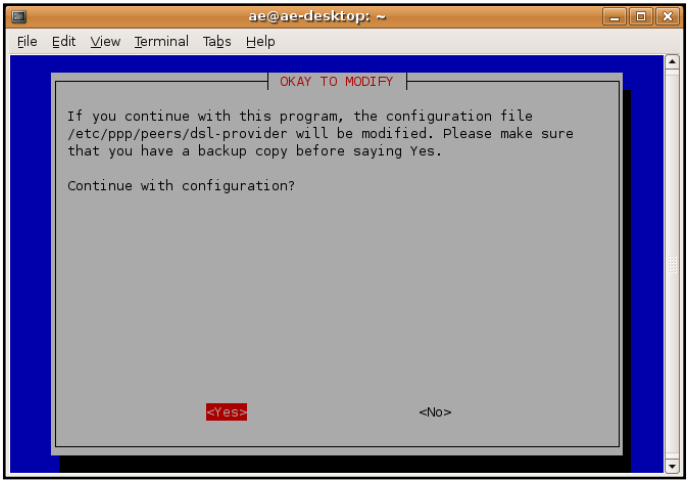
Appendix E PPPoE Connection

If the Exchange Pro VIT1/E1 connects to the Internet through ADSL, you need to create a PPPoE client connection. Please follow these steps:

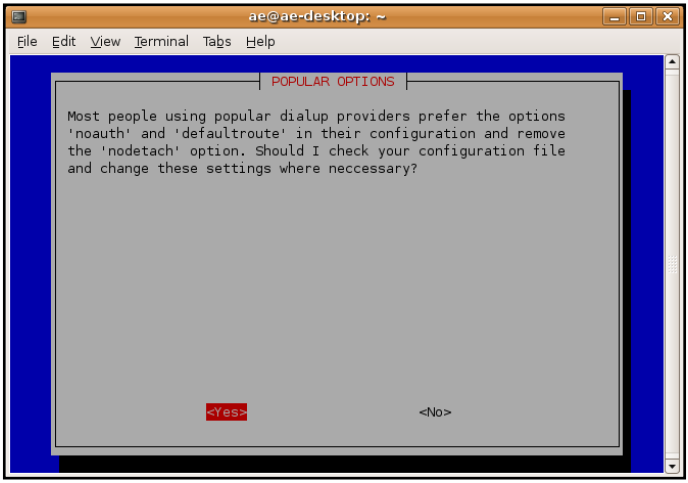
1. Open the Terminal, and type sudo pppoeconf, the following window appears. Press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
ALL DEVICES FOUND?
I found 2 ethernet devices:
eth0
eth1
Are all your ethernet interfaces listed above?
(If No, modconf will be started so you can load the
card drivers manually).
Or press ESC to abort here.
<Yes>
<No>

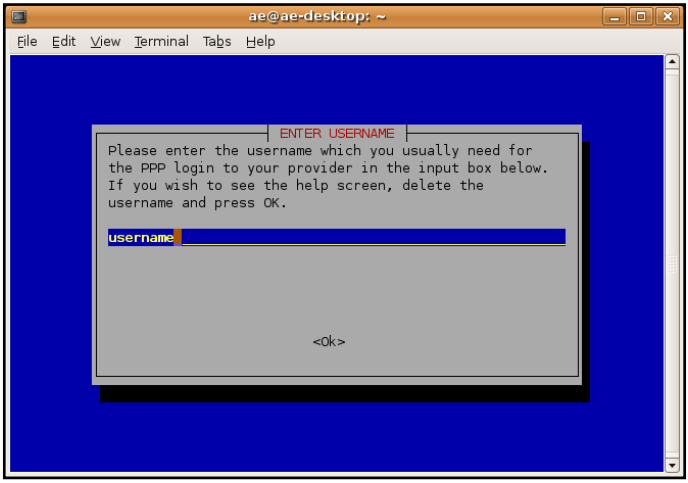
2. Using arrow keys to move to "**Yes**", then press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
OKAY TO MODIFY
If you continue with this program, the configuration file
/etc/ppp/peers/dsl-provider will be modified. Please make sure
that you have a backup copy before saying Yes.
Continue with configuration?
<Yes>
<No>

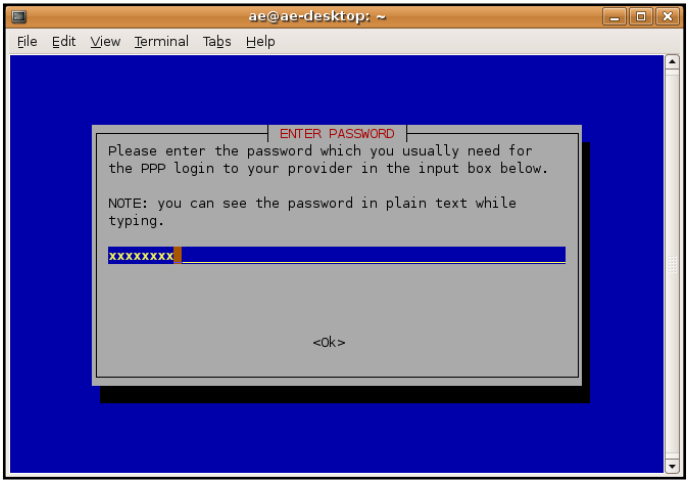
3. Using the arrow keys to move to “**Yes**”, then press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
POPULAR OPTIONS
Most people using popular dialup providers prefer the options
'noauth' and 'defaultroute' in their configuration and remove
the 'nodetach' option. Should I check your configuration file
and change these settings where neccessary?
<Yes>
<No>

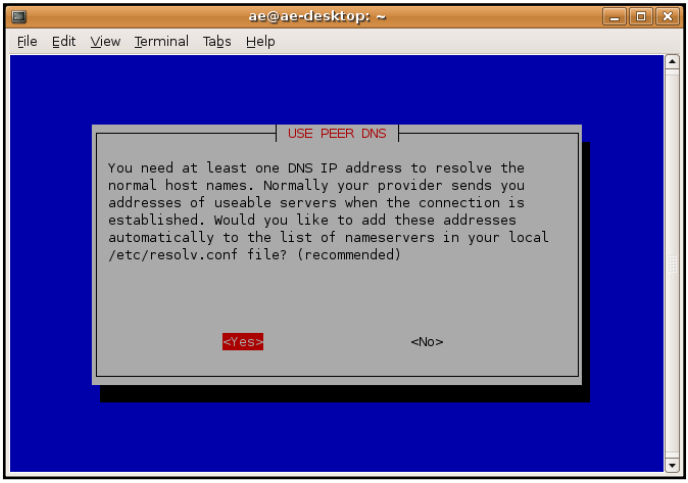
4. Type the user name that the ISP provided, press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
ENTER USERNAME
Please enter the username which you usually need for
the PPP login to your provider in the input box below.
If you wish to see the help screen, delete the
username and press OK.
username
<Ok>

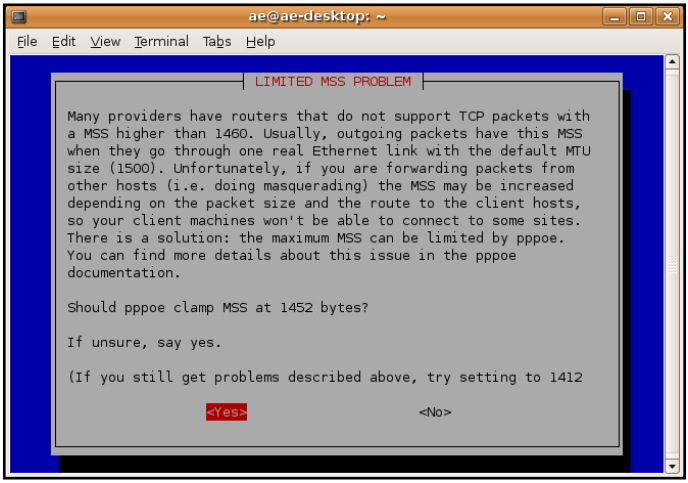
5. Type the password that the ISP provided, press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
ENTER PASSWORD
Please enter the password which you usually need for the PPP login to your provider in the input box below.
NOTE: you can see the password in plain text while typing.
xxxxxxxx
<Ok>

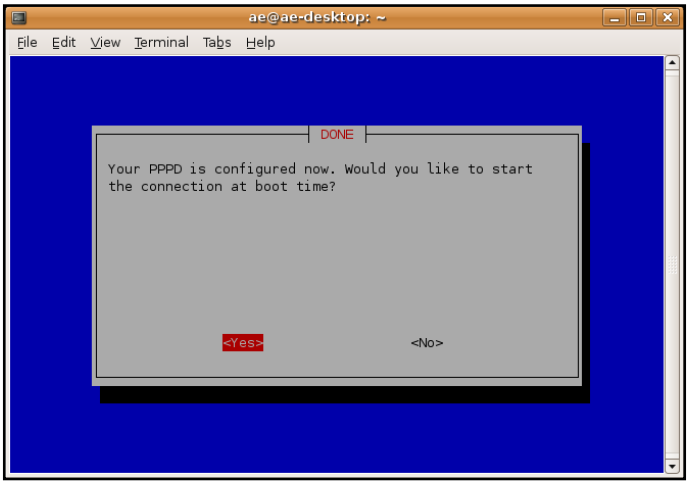
6. Pressing the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
USE PEER DNS
You need at least one DNS IP address to resolve the normal host names. Normally your provider sends you addresses of useable servers when the connection is established. Would you like to add these addresses automatically to the list of nameservers in your local /etc/resolv.conf file? (recommended)
<Yes>
<No>

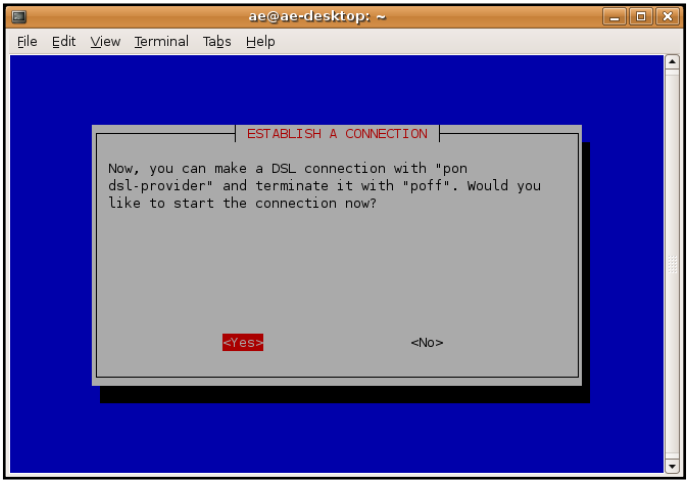
7. Use the arrow keys to move to “**Yes**”, then press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
LIMITED MSS PROBLEM
Many providers have routers that do not support TCP packets with a MSS higher than 1460. Usually, outgoing packets have this MSS when they go through one real Ethernet link with the default MTU size (1500). Unfortunately, if you are forwarding packets from other hosts (i.e. doing masquerading) the MSS may be increased depending on the packet size and the route to the client hosts, so your client machines won't be able to connect to some sites. There is a solution: the maximum MSS can be limited by pppoe. You can find more details about this issue in the pppoe documentation.
Should pppoe clamp MSS at 1452 bytes?
If unsure, say yes.
(If you still get problems described above, try setting to 1412
<Yes>
<No>

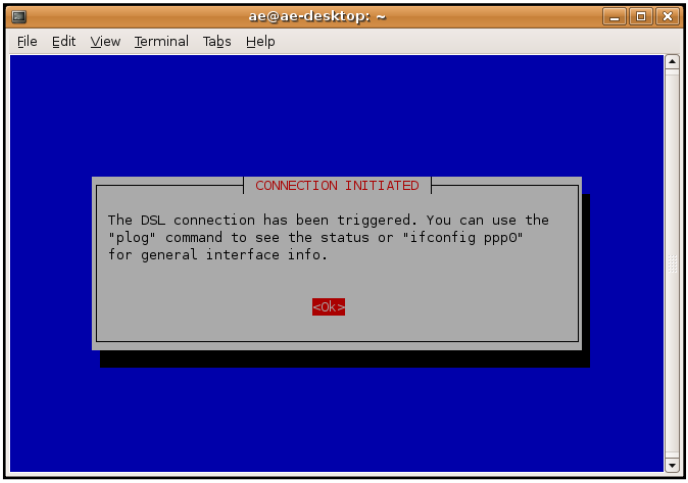
8. The configuration is done. We recommend you start the connection at boot time. Use the arrow keys to move to “**Yes**”, then press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
DONE
Your PPPD is configured now. Would you like to start the connection at boot time?
<Yes>
<No>

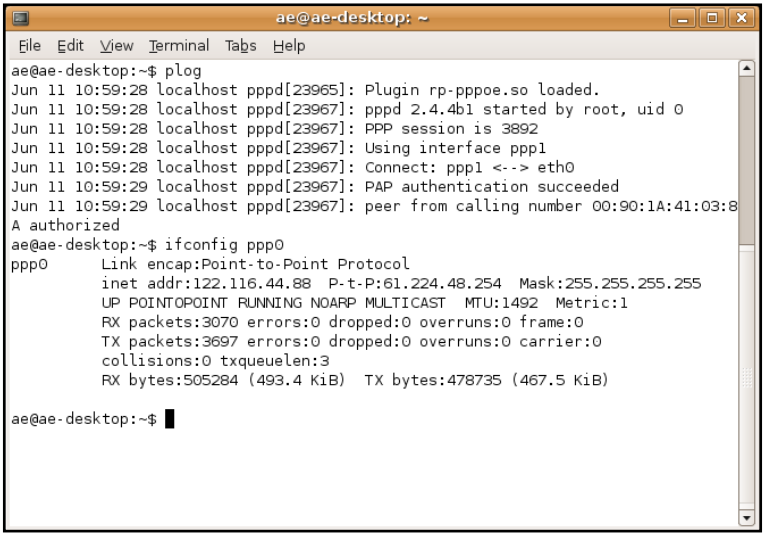
9. We recommend you start the connection now. Use the arrow keys to move to “**Yes**”, then press the <Enter> key to continue.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
ESTABLISH A CONNECTION
Now, you can make a DSL connection with "pon dsl-provider" and terminate it with "poff". Would you like to start the connection now?
<Yes>
<No>

10. Press the <Enter> key to finish the wizard.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
CONNECTION INITIATED
The DSL connection has been triggered. You can use the "plog" command to see the status or "ifconfig ppp0" for general interface info.
<Ok>

11. Type *plog* and *ifconfig ppp0* from the Terminal window to view the PPPoE connections.


ae@ae-desktop: ~
File Edit View Terminal Tabs Help
ae@ae-desktop:~$ plog
Jun 11 10:59:28 localhost pppd[23965]: Plugin rp-pppoe.so loaded.
Jun 11 10:59:28 localhost pppd[23967]: pppd 2.4.4b1 started by root, uid 0
Jun 11 10:59:28 localhost pppd[23967]: PPP session is 3892
Jun 11 10:59:28 localhost pppd[23967]: Using interface ppp1
Jun 11 10:59:28 localhost pppd[23967]: Connect: ppp1 <--> eth0
Jun 11 10:59:29 localhost pppd[23967]: PAP authentication succeeded
Jun 11 10:59:29 localhost pppd[23967]: peer from calling number 00:90:1A:41:03:8
A authorized
ae@ae-desktop:~$ ifconfig ppp0
ppp0 Link encap:Point-to-Point Protocol
inet addr:122.116.44.88 P-t-P:61.224.48.254 Mask:255.255.255.255
UP POINTOPOINT RUNNING NOARP MULTICAST MTU:1492 Metric:1
RX packets:3070 errors:0 dropped:0 overruns:0 frame:0
TX packets:3697 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:3
RX bytes:505284 (493.4 KiB) TX bytes:478735 (467.5 KiB)
ae@ae-desktop:~$

Appendix F FAQ

A. Skype Issue

1. What is the bandwidth for each Skype Call?

The bandwidth of a Skype call depends on the Internet access bandwidth and computer's CPU performance of both sides of the conversation. According to statistics provided by the official website of Skype, each Skype Call needs an average bandwidth of 3Kb/s -16Kb/s (go to http://www.skype.com/help/faq/technical.html for more information).

2. What is SkypeOut ?

SkypeOut allows you to place calls to regular telephones (landlines or mobiles) all over the world for a low fee. Most countries/regions have offered the SkypeOut services so far (go to http://www.skype.com/products/skypeout/rates/all_rates.html for more information).

3. What is SkypeIn ?

SkypeIn offers you a regular phone number. Thus, your contacts can call your Skype account using a a regular phone. A handful of countries/regions have offered the SkypeOut services so far (go to http://www.skype.com/products/skypeout/rates/all_rates.html for more information).

4. How many Skype accounts are needed for VoSKY Exchange Pro VIT1/E1?

You need 23/30 Skype accounts for Exchange Pro VIT1/E1. We recommend creating Skype IDs using a sequential naming convention, such as: Company Name001, Company Name002, Company Name003, Company Name004…Company Name0030. The Skype ID "Company Name001" will be used as the Company Skype ID.

5. What is Skype Unlimited?

One of plans offered by Skype that lets you place unlimited calls to landline numbers for a single monthly flat rate. SkypeIn is included with Skype Unlimited.

6. What is Skype Web?

Ideal for partners who want to be able to show their online status, so that your contacts can easily get back to you with Skype.

B. VoSKY Exchange Pro VIT1/E1 Issue

1. What does the Status LED on VoSKY Exchange Pro VIT1/E1 backplate indicate?

Green: Card is in-sync with the far end.
Yellow: Card is synchronizing or is receiving a red alarm from the far end.
Red: Card is not seeing far end, circuit is not up, or cable is bad.

2. Why can't I call my Skype contacts from the extension?

Before you start using the Exchange Pro VIT1/E1, login to the Web Console to configure your phonebook and add your Skype contacts and speed dial keys.

3. Why do all the employees and speed dial keys get deleted after the administrator reconfigures the speed dial key format?

Before you reconfigure the speed dial key format, back up all your data because this operation will delete all employees and speed dial keys.

4. Why can't I make or receive a call while the E1/T1 status LED is green?

This may be caused by improper PBX settings. Please contact your PBX vendor to verify your PBX settings.

Appendix G Limited Warranty

THE EXCHANGE VI PRODUCT LINE HAS COMBINED THE SERVER CAPABILITY INTO THIS UPGRADE VERSION OF EXCHANGE SERIES. THIS EXCHANGE VI PRODUCT IS CONFIGURED TO WORK WITH THE CURRENT SKYPE COMMUNICATIONS, S.A. (“SKYPE”) SERVICE AT THE DATE OF SHIPMENT. NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, VOSKY WILL HAVE NO LIABILITY IF ANY FEATURE OR UTILITY OF EXCHANGEFAILS TO PERFORM IN SUBSTANTIAL CONFORMANCE TO THE APPLICABLE SPECIFICATIONS BECAUSE OF ANY CHANGES MADE BY SKYPE TO ITS PROGRAM OR SERVICES. IF THIS DISCLAIMER IS NOT ACCEPTABLE TO YOU, PLEASE RETURN THE PRODUCT IN ITS ORIGINAL BOX TO YOUR POINT OF PURCHASE WITHIN FIFTEEN (15) DAYS OF PURCHASE TO OBTAIN A REFUND. IN NO EVENT SHALL THE FOREGOING BE DEEMED TO EXPAND ANY WARRANTY OR LIMIT ANY DISCLAIMER CONTAINED HEREIN.

Product Operation Regulatory Requirements:
1. Using any unauthorized softwares, hardwares, and/or any improper operation that will impact the normal functioning of the Exchange are prohibit.
2. The warranty is invalid if the manufacture warranty sticker (serial number) has been altered or removed from the product.
3. Extended Hardware Warranty and Software Maintenance is available. For more information, please visit www.vosky.com.

Hardware: VoSKY, warrants to the end user (“Customer”) that this hardware product will be free from defects in workmanship and materials, under normal use and service, for twelve (12) months from the date of purchase (US) or twenty-four (24) months from the date of purchase (Europe) from VoSKY, or its authorized reseller. VoSKY’s sole obligation under this express warranty shall be, at VoSKY’s option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, VoSKY may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of VoSKY. Replacement products may be new or reconditioned. VoSKY warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

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period of ninety (90) days from the date of purchase from VoSKY or its authorized reseller. VoSKY warrants the media containing software against failure during the warranty period. The only updates that will be provided are at the sole discretion of VoSKY and will only be available for download at the VoSKY Web site, www.vosky.com . VoSKY's sole obligation under this express warranty shall be, at VoSKY's option and expense, to refund the purchase price paid by Customer for any defective software product, or to replace any defective media with software which substantially conforms to applicable VoSKY published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. VoSKY makes no warranty or representation that its software products will meet Customer's requirements or work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third-party products listed in the VoSKY software product documentation or specifications as being compatible, VoSKY will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by a "bug" or defect in the third party's product or from use of the software product not in accordance with VoSKY published specifications or user guide. THIS VOSKY PRODUCT MAY INCLUDE OR BE BUNDLED WITH THIRD-PARTY SOFTWARE, THE USE OF WHICH IS GOVERNED BY A SEPARATE END USER LICENSE AGREEMENT. THIS VOSKY WARRANTY DOES NOT APPLY TO SUCH THIRDPARTY SOFTWARE. FOR THE APPLICABLE WARRANTY, PLEASE REFER TO THE END-USER LICENSE AGREEMENT GOVERNING THE USE OF SUCH SOFTWARE.

Obtaining Warranty Service: Customer may contact VoSKY Technical Support Center within the applicable warranty period to obtain warranty service authorization. Dated proof of purchase from VoSKY or its authorized reseller may be required. Products returned to VoSKY must be pre-authorized by VoSKY with a Return Merchandise Authorization (RMA) number marked on the outside of the package, and sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. The repaired or replaced item will be shipped to Customer, at VoSKY's expense, not later than thirty (30) days after VoSKY receives the defective product.

VoSKY shall not be responsible for any software, firmware, information, memory data, or Customer data contained in, stored on, or integrated with any products returned to VoSKY for repair, whether under warranty or not.

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